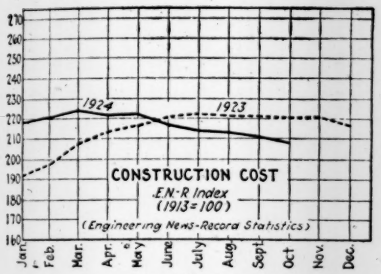
CONSTRUCTION NEWS

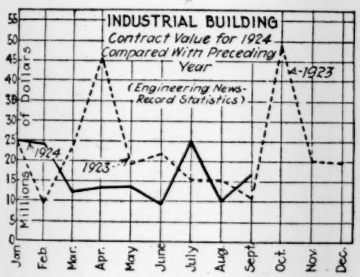
Engineering News-Record, October 9, 1924

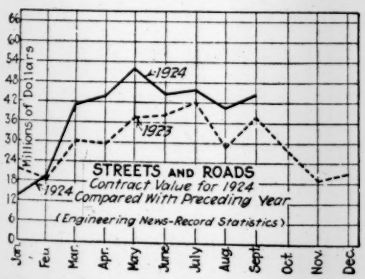
The Construction Barometer

Volume Greater—Cost Lower—Increase During Past Week in Private Commercial Buildings

LOWERED costs, particularly in steel and lumber, have resulted in the usual gain in volume of construction as shown by the accompanying charts. *Engineering News-Record's* Construction Volume Index Number expresses the situation in terms of 1913 purchasing power and indicates the actual quantity of materials used, rather than the money value of contracts let. There is a noticeable gain in the amount of private construction work now under way comparing it with that of a week ago. The increase is mainly in number and value of private commercial building awards. Public construction projects, particularly streets and roads, have also increased during the past week as shown by the number of bids desired.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Sept. 18	$18,270,000	$17,463,000	$35,733,000
Sept. 25	22,837,000	14,130,000	36,967,000
Oct. 2	14,140,000	14,765,000	28,905,000
3 weeks	$55,247,000	$46,358,000	$101,605,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

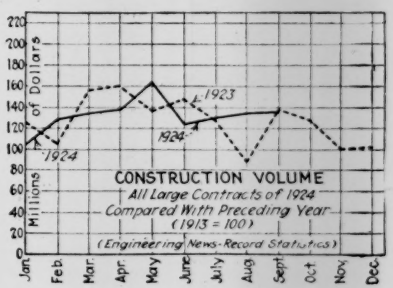
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Sept. 18	20	$6,209	28	$12,545	20	$4,893
Sept. 25	15	7,461	29	7,884	25	6,246
Oct. 2	12	2,973	38	8,321	24	1,396
3 weeks	47	$16,643	95	$28,750	69	$12,535

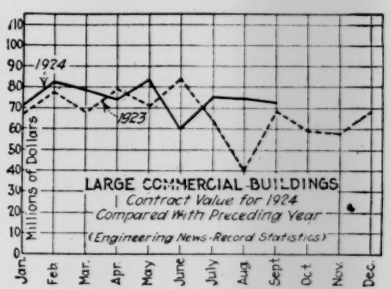
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

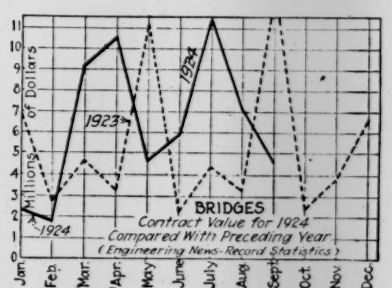
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Sept. 18	20	38	38	33	153
Sept. 25	24	31	46	26	149
Oct. 2	23	39	47	25	166

PINE TIMBERS DOWN $1. PER M. FT. IN NEW YORK

	Quoted on Oct. 9 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.90 @2.00	$1.90 @2.10	Sept. 18
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	55.00	56.00	Oct. 2
Fir, San Fran., M.ft.	29.00	34.00	Sept. 25
Common labor, hr.	.56	.55	Apr. 2







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 13	Mobile, Ala.	Sept. 18
Oct. 13	Brockport N. Y. Adv. Oct. 2 and 9.	Oct. 2
Oct. 13	Mobile, Ala.	Oct. 2
Oct. 14	Fulton, N. Y.	Oct. 2
Oct. 14	Carrollton, O.	Oct. 9
Oct. 14	Cincinnati, O.	Oct. 9
Oct. 14	Minneapolis, Minn.	Oct. 9
Oct. 14	New York, N. Y.	Oct. 9
Oct. 14	Atlantic Highlands, N. J. Adv. Oct. 9.	Oct. 9
Oct. 15	New York, N. Y.	Oct. 9
Oct. 16	Minneapolis, Minn.	Oct. 9
Oct. 16	Punta Gorda, Fla	Oct. 9
Oct. 20	Cheneyville, La.	Sept. 25
Oct. 21	Eufaula, Ala. Adv. Sept. 18 to Oct. 9.	Sept. 18
Oct. 24	Dallas, Tex.	Oct. 2
Oct. 28	Shreveport, La.	Oct. 9
Nov. 3	Barberton, O. Adv. Oct. 9.	Oct. 9

SEWERS

Bids Close		See Eng. News-Record
Oct. 14	Jackson, Tenn.	Oct. 2
Oct. 14	Johnstown, Pa.	Oct. 2
Oct. 14	Grand Rapids, Mich.	Oct. 9
Oct. 14	Milwaukee, Wis.	Oct. 9
Oct. 15	Grand Rapids, Mich. Adv. Oct. 2 and 9.	Oct. 2
Oct. 16	Punta Gorda, Fla.	Oct. 9
Oct. 16	Long Island City, N. Y.	Oct. 9
Oct. 17	New York, N. Y.	Oct. 9
Oct. 20	Mount Vernon, Pa.	Oct. 9
Oct. 20	Hawley, Minn.	Oct. 2
Oct. 20	Watsonville, Pa.	Oct. 2
Oct. 22	Elgin, Ill. Adv. Sept. 25 to Oct. 9.	Oct. 2
Oct. 22	Pismo Beach, Calif.	Oct. 9
Oct. 23	Granite Falls, Ia.	Oct. 9
Oct. 23	Glendale, Calif.	Oct. 9
Oct. 28	St. Paul, Minn.	Oct. 9

BRIDGES

Bids Close		See Eng. News-Record
Oct. 13	Oklahoma	Oct. 9
Oct. 14	South Dakota	Oct. 9
Oct. 17	Arkansas	Oct. 2
Oct. 21	Beaufort, S. C.	Oct. 9
Oct. 21	Miami, Fla. Adv. Oct. 9.	Oct. 9
Oct. 22	Dodge City, Kan.	Oct. 2
Oct. 23	Kansas City, Mo. Adv. Oct. 9.	Oct. 9
Oct. 29	Kentucky	Oct. 2
Oct. 31	Tennessee	Oct. 9

RAILWAYS

Bids Close		See Eng. News-Record
Oct. 20	Texas	Oct. 9

Bids Close — See Eng. News-Record

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Oct. 14 Massachusetts ..... Aug. 7
Oct. 20 Peru, Ind ..... Sept. 25
Oct. 22 Tracy, Calif. ..... Oct. 9
Oct. 25 Edinburg, Tex. ..... Oct. 9
Oct. 31 Porto Rico ..... Oct. 9
Adv. Oct. 9.
Oct. 31 Albany, N. Y. ..... Oct. 9
Adv. Oct. 9.

STREETS AND ROADS

Oct. 10 Peekskill, N. Y. ..... Sept. 25
Oct. 10 Palo Pinto, Tex. ..... Sept. 25
Oct. 10 Canadian, Tex. ..... Sept. 25
Oct. 10 New Hampshire ..... Oct. 9
Oct. 10 St. George, N. Y. ..... Oct. 9
Oct. 13 Michigan ..... Oct. 9
Oct. 13 Wichita, Kan. ..... Oct. 9
Oct. 13 Waco, Tex. ..... Sept. 18
Oct. 13 Sebring, Fla. ..... Oct. 2
Oct. 13 Houston, Tex. ..... Oct. 2
Oct. 13 Wisconsin ..... Oct. 9
Oct. 14 Long Island City, N. Y. .. Oct. 9
Oct. 14 Pennsylvania ..... Sept. 25
Oct. 14 North Platte, Neb. ..... Oct. 2
Oct. 14 Maryland ..... Oct. 9
Oct. 14 South Dakota ..... Oct. 9
Oct. 15 Delaware ..... Oct. 2
Oct. 15 St. George, N. Y. ..... Oct. 9
Oct. 15 Baltimore, Md. ..... Oct. 9
Oct. 15 Hampton, S. C. ..... Oct. 9
Oct. 15 Delaware ..... Oct. 9
Oct. 16 Punta Gorda, Fla. ..... Oct. 9
Oct. 16 Lancaster, S. C. ..... Oct. 9
Oct. 16 Long Island City, N. Y. .. Oct. 9
Oct. 16 Bayonne, N. J. ..... Oct. 9
Adv. Oct. 9.
Oct. 17 New York, N. Y. ..... Oct. 9
Oct. 20 New Jersey ..... Oct. 9
Adv. Oct. 2 and 9.
Oct. 20 Los Angeles, Calif. ..... Oct. 9
Oct. 20 San Anselmo, Calif. ..... Oct. 2
Oct. 20 Austin, Minn. ..... Sept. 25
Oct. 21 Dickens, Tex. ..... Oct. 9
Oct. 21 Baton Rouge, La. ..... Oct. 9
Oct. 22 Freehold, N. J. ..... Oct. 9
Adv. Oct. 9.
Oct. 24 Floresville, Tex. ..... Oct. 9
Oct. 25 Moore Haven, Fla. ..... Oct. 9
Oct. 27 Wichita Falls, Tex. ..... Oct. 2
Oct. 27 Wichita Falls, Tex. ..... Oct. 9
Oct. 29 Faribault, Minn. ..... Sept. 25
Oct. 29 Kentucky ..... Oct. 2
Oct. 30 Mobile, Ala. ..... Oct. 9
Adv. Oct. 9.
Oct. 31 Atwood, Kan. ..... Oct. 9
Oct. 31 Tennessee ..... Oct. 9
Nov. 6 Ft. Scott, Kan. ..... Oct. 9
Nov. 11 Michigan ..... Oct. 2

BUILDINGS—INDUSTRIAL

Oct. 13 Forest Hills (Pittsburgh P. O.), Pa. ..... Oct. 9
Oct. 15 Cokata, Minn. ..... Oct. 9
Oct. 20 Los Angeles, Calif. ..... Oct. 9
Nov. 1 Portland, Ore. ..... Oct. 9

BUILDINGS—COMMERCIAL

Oct. 11 Groton, Conn. ..... Aug. 7
Oct. 11 Wakefield, Mich. ..... Oct. 9
Oct. 14 Sharonville, O. ..... Oct. 9
Oct. 14 East Boston (Boston P. O.), Mass. ..... Oct. 9
Oct. 14 Royal Oak, Mich. ..... Oct. 9
Oct. 14 New York ..... Oct. 9
Oct. 15 Detroit, Mich. ..... Oct. 9
Oct. 15 Boston, Mass. ..... Oct. 9
Oct. 15 Germantown (Phila. P. O.), Pa. ..... Oct. 2
Oct. 20 White Plains, N. Y. ..... Oct. 9
Oct. 21 Rome, N. Y. ..... Oct. 2
Oct. 21 Brooklyn, N. Y. ..... Oct. 2
Oct. 21 Alameda, Calif. ..... Oct. 9
Oct. 24 Irvington, N. J. ..... Oct. 9
Oct. 28 Carbondale, Ill. ..... Oct. 2

FEDERAL GOVERNMENT WORK

Oct. 10 Sewer—Fort Hamilton (Brooklyn P. O.), N. Y. ..... Oct. 2
Oct. 13 Boiler House—Philadelphia, Pa. ..... Oct. 2
Adv. Oct. 2 and 9.
Oct. 14 Roads and Walks—Knoxville, Ia. ..... Sept. 25
Oct. 14 Levee—Vicksburg, Miss. ... Oct. 2
Adv. Oct. 2 and 9.
Oct. 14 Fire Alarm System—St. Cloud, Minn. ..... Oct. 9
Oct. 15 Radio Equipment—Ft. Bayard, N. M. ..... Oct. 9
Oct. 15 Electric Elevators—Florence, Ala. ..... Oct. 2
Adv. Oct. 2 and 9.
Oct. 15 Snag Boat—Montgomery, Ala. ..... Sept. 4
Oct. 15 Sewer—Quantico, Va. ... Sept. 25
Oct. 15 Road—Montana ..... Oct. 9
Oct. 16 Pumps—Reedy Island, Del. ..... Oct. 2
Oct. 17 Dredging, etc.—Ohio .... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 18 Boiler House, etc.—Ft. Sill, Okla. ..... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 20 Dam — American Falls, Idaho ..... Sept. 18
Oct. 20 Road—California ..... Oct. 9
Oct. 21 Barges—Memphis, Tenn. ..... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 21 Buildings — Rutland, Mass. ..... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 21 Automatic Telephone System, etc.—Livermore, Calif. ... Oct. 9
Oct. 21 Concrete Reservoir — Ft. Bayard, N. M. ..... Oct. 9
Oct. 22 Plant—Tuba City, Ariz. ... Oct. 9
Oct. 22 Stone—Galveston, Tex. ... Oct. 9
Oct. 22 Jetty Repairs—Galveston, Tex. ..... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 22 Barges — Memphis, Tenn. ..... Sept. 25
Adv. Sept. 25 to Oct. 9.
Oct. 24 Dredging—Phila., Pa. .... Oct. 9
Oct. 25 Lock—Pittsburgh, Pa. ..... Oct. 9
Oct. 25 Steel Lock Gates—Pittsburgh, Pa. ..... Oct. 2
Adv. Oct. 2 and 9.
Oct. 29 Post Office—Douglas, Ga. .. Oct. 9
Adv. Oct. 9.
Oct. 30 Post Office, etc.—Abilene, Tex. ..... Oct. 9
Adv. Oct. 9.
Oct. 30 Garage, etc. — Excelsior Springs, Mo. ..... Oct. 9
Oct. 31 Breakwater — Rockland, Me. ..... Oct. 2
Adv. Oct. 2 and 9.
Nov. 3 Post Office—Vernal, Utah ... Oct. 9
Adv. Oct. 9.
Nov. 4 Tunnel—Wash., D. C. ..... Oct. 9
Adv. Oct. 9.
Nov. 8 Dredging—Norfolk, Va. ... Oct. 9
Adv. Oct. 9.

UNCLASSIFIED

Oct. 10 Subway Structure, Alterations, etc.—New York, N. Y. ..... Oct. 2
Oct. 14 Wharf—Miguasha, Que. ... Oct. 2.
Oct. 14 Grade Separation—Detroit, Mich. ..... Oct. 9
Oct. 15 Street Lamp Fixtures and Maintenance — Baltimore, Md. ..... Oct. 9
Oct. 20 Flood Control—Peru, Ind. . Sept. 18
Oct. 20 Borings—Jersey City, N. J. ..... Oct. 9
Adv. Oct. 2 and 9.
Oct. 21 Subway—Phila., Pa. ..... Sept. 18
Oct. 21 Plumbing, etc.—Brooklyn, N. Y. ..... Oct. 2
Oct. 28 Heating and Ventilating System—St. Louis, Mo. .... Oct. 2
Oct. 29 Pavilion, etc.—Bellefonte, Pa. ..... Oct. 2
Nov. 6 Caissons—Esquimalt, B. C. ..... Oct. 2

MATERIAL AND EQUIPMENT

Oct. 14 Tractor—Cuero, Tex. ..... Oct. 2
Oct. 15 Grader and Scarifier—San Antonio, Tex. ..... Sept. 25
Oct. 16 Turbines—Merced, Calif. . Oct. 2
Oct. 16 Fuel Oil—New Orleans, La. Oct. 9
Oct. 17 Paving Blocks—New York, N. Y. ..... Oct. 9
Oct. 20 Insulators—Melbourne, Victoria, Australia ..... Aug. 14
Oct. 24 Tractor — Clarksville, Tex. ..... Oct. 9
Oct. 29 Tractor—Madelia, Minn. ... Oct. 9
Oct. 30 Tractor—San Antonio, Tex. Oct. 2
Nov. 11 Pump—Toronto, Ont. ..... Oct. 9
Nov. 24 Cable, etc. — Melbourne, Australia ..... Sept. 11
Dec. 1 Transformers, etc. — Melbourne, Australia ..... Sept. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Parkersburg—Election Nov. 4, $250,000 bonds for mechanical or chemical filtration system. J. N. Chester, Engr., Union Bank Bldg., Pittsburgh, Pa., engrs.

Ala., Tuscaloosa—Election Oct. 20, $250,000 bonds for improvements and extensions to waterworks.

O., Struthers—Plans water works plant, $50,000 or more.

Ill., Jonesboro—Takes bids about Nov. 1, waterworks, pumping equipment, tank on tower, etc., also 4- and 6-in. c.i. mains, etc. $42,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Mount Sterling—Making preliminary plans waterworks, incl., dam, spillway, intake gate, coagulation basin, filter building, clear well, pressure main, tank, etc. $112,000. Caldwell Eng. Co., Jacksonville, engr.

Wis., Menomonee Falls — W. J. Goode, village clk., making plans water and sewerage systems in entire village. $100,000. W. F. Reichardt, Watertown, engr.

Ia., Tama—Cancelled bid date of Sept. 24 as $30,000 to $40,000 bond issue failed to carry for waterworks extensions and 200,000 gal. elevated. Noted Sept. 11.

Kan., Quenemo — Making preliminary plans waterworks, distribution system, etc. Election this fall $30,000 bonds for project. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Mont., Miles City — Plans waterworks improvements, incl. high service concrete reservoir. $20,000. E. E. Bunn, city aud.

Mo., Bucklin — Voted $60,000 bonds waterworks.

Mo., Elsberry—See "Excavation, Drainage, Irrigation, Levees."

Mo., Higginsville—Voted $120,000 bonds improving waterworks, $20,000 bonds for sewers. E. T. Archer & Co., 609 New England Natl. Bank Bldg., Kansas City, engrs.

Mo., Liberal—Making preliminary plans waterworks and sanitary sewers. To exceed $25,000. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Okla., Collinsville — Defeated $125,000 bonds for waterworks, distribution system, etc. Will call new election. Noted Sept. 4.

Okla., Durant—Election Oct. 21, $35,000 bonds for waterworks improvements and street lights. Noted Oct. 2.

Okla., Marland — Making preliminary plans new waterworks, incl. well, pipe line, deep well pump, mains, elevated tank, hydrants, etc. $20,000. Engineer not selectetd. D. C. Fields, city clk.

Okla., Webb City—Making preliminary plans new waterworks, incl. deep well, pump, elevated tank, mains, pipe lines, valves, hydrants, etc. Engineer not selected.

Okla., Wetumka—Election Oct. 28, $115,000 bonds new purification plant, pumps, oil engine generator plant, mains, valves, hydrants and extensions to distribution system. V. V. Long & Co., 1309 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 15.

Okla., Wewoka—Voted $150,000 bonds for new impounding reservoir, dam, spillway, intake, gravity flow line and extensions, 15,000 ft. 10 in. c.i. pipe, 75,000 cu.yd. excav., etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 21.

Wash., Hillyard—City Comn., approved 2 year program of expansion to water system. $415,000.

Wash., Olympia — City Council plans election $30,000 bonds enlarging and improving water plant.

Wash., Snohomish—Making plans for 1 m.g. steel reservoir. $15,000. Q. Clapp, Everett, engr.

Ore., Portland—Plans election $1,426,000 bonds, for high pressure system, water pipes and hydrants for business section. E. C. Willard, 53 Ella St., engr. Noted Aug. 28.

Calif., Corcoran — See "Excavation, Drainage, Irrigation, Levees."

Ont., Windsor—Plans water main extensions. $50,000. M. E. Brian, city engr.

BIDS DESIRED

N. Y., New York — Oct. 15, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Grand Concourse, Andrews, East Bay, Leggett, Longfellow, Plimpton, Sheridan, Teller, Whitlock and Willis Aves., Barry, East 149th, East 166th, East 171st, West 172nd, and West 175th Sts., Austin, Marcy and Timpson Places, Boston and Macomb Rds.

N. Y., New York — Oct. 14, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Throggs Neck Blvd., Shore Dr., in right of way between Brush Ave. and Causeway Pl., Ampere, Appleton, Baisley, Balcom, Brush, Burr, Dewey, Edison, Edwards, Ellsworth, Fairmount, Griswold, Jarvis, Library, Logan, Meagher, Morris Park, Ohm, Philip, Swinton, Randall, Roebling, Schley and Throgmorton Aves., Becker, East 177th and East 196th Sts., Dwight, Jay, Kennelworth, Rohr, Seger and Wenner Places.

N. J., Atlantic Highlands—Oct. 14, by Mayor and Boro Council, 4,400 ft. 4 and 6 in mains. A. H. Kidel, boro clk.; adv. E. N.-R. Oct. 9.

Waterworks (Continued)

Fla., Punta Gorda — Oct. 16, by City Comrs., M. C. Price, city mgr., 14,950 ft. 4- to 8-in. c.i. mains, pumping station, 270,000 gal. reservoir, one 750 and one 150 g.p.m. electric motor pumps. $100,000. J. B. McCrary Eng. Corp., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs.

La., Shreveport—Oct. 28 by W. T. Mayo, comr. Pub. Utilities, City Hall, 15,000 ft. 30 in. steel c.i. or concrete conduit. J. N. Chester, Union Bank Bldg., engr.

O., Barberton—Nov. 3, at office J. F. Mentzer, dir. Pub. Serv., impounding reservoir incl. dam, also water purification plant, etc.; adv. E. N.-R. Oct. 9.

O., Carrollton—Oct. 14, by Bd. of Pub. Affairs, constructing rein.-con. reservoir, 300,000 gal. capacity and 6 brick pump houses etc. $100,000. McClasky & Reese, 818 Renkert Bldg., Canton, engrs. Noted June 5.

O., Cincinnati—Oct. 14, by Hamilton Co., $4,970 ft. 6- to 16-in. c.i. Water Supply Line 1 in Dist. 1, at Indian Hills and Maderia. $348,334. L. C. Boyatt, Court House, engr. Noted July 31.

Minn., Granite Falls—Oct. 23, by L. N. Marcuson, city clerk, purification and filteration plant. W. E. Buell & Co., 205-6-7 Davidson Bldg., Sioux City, Ia., engrs. Noted Sept. 11.

Minn., Minneapolis — Oct. 16, by F. S. Gram, city purch. agt., new filtration plant, structural steel and 15 tons castings. N. W. Elsburg, city engr.

Minn., Minneapolis — Oct. 14, by F. S. Gram, city purch. agt., one thousand ¾ in. water meters with connections. N. W. Elsburg, city engr.

Ont., Thorold—Utilities Comn. in market for chlorinating equipment for waterworks.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Sexton Pl., Bronx Park East, Adee, Arnow, Astor, Bouck, Barnes, Duryea, Ely, Fish, Gunther, Holland, Morgan, Nereid, Paulding, Warren, Seton, Tieman, Throop, Wallace, Wilson, Yates, East 22nd, 226th, 228th, 231st and 243rd Sts., from C. De Blasio, 339 7th Ave., Mt. Vernon, $38,990. Noted Sept. 25.

La., Shreveport—City Council constructing reservoirs, conduits, filter equipment, pipe, etc., for developing Crass Lake, from R. J. Estep & Co., Wilson Bldg., Dallas, Tex., (1) $148,500 (1B) $235,000; from Kaucher Hodges Co., Exch. Bldg., Memphis, Tenn., (2) $115,000.

Ill., Pinckneyville—Filtration plant and pumping station, from H. H. Carruthers, 3222 Cleveland St., Kansas City, Mo., $49,282. Noted Sept. 18.

Calif., Tracy — W. Schlossman, secy. Banta—Carbona Irrigation Dist., Sept. 17, 6 pumping plants, etc., from L. F. Youdall, Matson Bldg., San Francisco, $157,456. Noted Sept. 11.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., high pressure fire pipes in Atlantic Ave., Hawkins, Bowker, Chardon, Kneeland, South, Chatham, Commerce, Milk, Washington, Kilby, Doane, Broad, State, Hanover, India, North, Union, Sudbury, Custom House, Kingston, and Fleet Sts., to C. & R. Constr. Co., 3 Tremont Row, $217,022.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Autumn, Ocean, Pitkin, Sheepshead and Throop Sts., etc., to Knight & De Micco, Inc., 448 East Tremont Ave., New Yoork, $8,470. Noted Sept. 25.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 4th, 18th, William, Ditmars Aves., etc., here, to Norton & Rigney, Richmond Hill, $31,000. Noted Sept. 25.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Aqueduct, East Davidson and Cambridge Sts., etc., to Melrose Constr. Co., 103 E. 125th St., $46,710. Noted Sept. 25.

Md., Baltimore—Mayor and City Council, c.i. pipe and fittings to Water Dept., to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $289,696.

W. Va., Ridgeley—Waterworks and sewerage system, to Brady Bros., Frostburg, Md., $39,000. Noted July 24.

O., Cleveland—Cuyahoga Co., 5,800 ft. 12 in. c.i. mains in Mastick Rd., to Langahan Constr. Co., Marshall Bldg., $29,915.

Mich., Menominee—For 60 x 200 ft. rein.-con. reservoir, to Carlson & Lundin, Menominee, $18,500.

Ill., Carmi — Filtration plant, tank on tower, dam, mains, etc., to Johnson Eng. Co., Waterloo, $82,250. Noted Jan. 3.

Ill., Kenilworth—To T. H. Iglehardt Co., Jackson Blvd., Chicago, waterworks $26,697, sanitary sewers $13,178. Engrs. ests. $35,000 and $16,000 respectively. Noted Sept. 18.

Kan., Riley—Waterworks, incl. pipes, valves, hydrants, etc., to Reed & Wheelock, Clay Center, $15,885; steel tank on 100 ft. tower, to Chicago Bridge & Iron Co., 608 South Dearborn St., Chicago, Ill., $5,890.

Minn., Lakeville—G. W. Tullock, village clk., distribution system and pump house, to Bruce-Bickelhaupt, Des Moines, Ia., $20,913 nnd $4,400 respectively. Noted Sept. 18.

Minn., St. Paul—For 1,320 twelve ft. lengths, 6 in. c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., for Water Dept. $13,136. Noted Aug. 7.

Wash., Bellingham—City Council, 24 in. sand c.i. and 4 in. sand c.i. pipe, to Amer. Cast Pipe Co., Acipco St., Birmingham, Ala., $75,058 and $1,875 respectively; also 8 in. and 12 in. pipe, to U. S. Cast Iron Pipe & Fdry. Co., East Burlington St., Burlington, N. J., $29,088.

Calif., Los Angeles — To M. Lally Co., 3690 Santa Fe Ave., 100,000 ft. galvanized wrought steel pipe, $6.40 per 100 ft., total $6,400.

Calif., San Fernando—J. H. Osborn, city clk., 7,500 lin.ft. each 4 and 6 in. c.i. pipe, to Natl. Cast Iron Pipe & Fdry. Co., Los Angeles. Engrs. est. $25,000. Noted Sept. 25.

Sewers

PROPOSED WORK

N. J., Manasquan—Making plans sewerage system in various streets. $35,000. L. C. Riddle, mayor.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids this month, 4,360 ft., trunk sewer, inlets, manholes, etc., in South and Inman Streets. $76,961. J. E. Root, 300 Delaware Bldg., engr.

Mich., Detroit—Made plans 25,213 ft. 12- to 24-in. vitr. pipe in Lateral 4227, 1,083 ft. in Lateral 4237, 10,952 ft. in Lateral 4241, 1,729 ft. 12- to 15-in. in Lateral 4229, 2,623 ft. 12- to 20-in. Storm Sewer 4236, and 4,055 ft. 12- to 18-in. Storm Sewer 4243. G. Jerome, city engr.

Ill., Winchester—Take bids in November for disposal plant, 6- to 12-in. sanitary sewers, inlets, etc. in various streets. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Wis., Elkhorn—E. Kinne, city clk., making plans improving and constructing addition to sewage disposal plant, incl. two 40 x 90 ft. sand filters, siphon chamber and concrete walk around filter bed. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Wis., Menomonee Falls — See "Waterworks."

Ia., Nashua—Making preliminary plans sewage disposal plant. R. B. Slippy Eng. Corp. 405 La Fayette Bldg., Waterloo, engrs.

Ia., Vinton—Making preliminary plans sewage disposal plant, incl. septic tank, sludge bed, piping, etc. $50,000. M. Tschirgi & Son, Amer. Trust Bldg., Cedar Rapids, engrs.

Ia., Waterloo—Making preliminary plans sewage disposal plant, incl. building, sludge bed, septic tank, etc. R. B. Slippy Eng. Corp., 406 La Fayette Bldg., engrs.

Ia., Waverly—Making preliminary plans sewage disposla plant, incl. building, septic tank, sludge bed, etc. To exceed $25,000. R. B. Slippy Eng. Co., 406 La Fayette Bldg., Waterloo, engrs.

Kan., Quenemo — Making preliminary plans sanitary sewers, etc. Election this fall $30,000 bonds for project. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Mo., Bucklin — Voted $30,000 bonds sewers.

Mo., Higginsville—See "Waterworks."

Mo., Liberal—See "Waterworks."

Ark., Rogers—Making preliminary plans 3 mi. sanitary sewers and sewage disposal plant, incl. septic tank, sludge bed, etc. W. L. Winters, Merchants Natl. Bank Bldg., Ft. Smith, engr.

Tex., Waco—Making revised plans sewage disposal plant. Former bids rejected. Terrell Bartlett, Calcasieu Bldg., San Antonio, engrs. Noted Sept. 25.

Okla., Holdenville — Making preliminary surveys 1 mi. outfall sewers and disposal plant. To exceed $25,000. C. H. Edge, Holdenville, engr.

Okla., Wetumka—Election Oct. 28, $26,000 bonds extending 20,000 ft. 8 and 10 in. vitr. clay sewers in Tiger, Bensen, Conrad, Alabama, Canadian and Forest Sts. V. V. Long & Co., 1300 Colcord St., Oklahoma City, engrs.

Okla., Braman—Election Oct. 3 $25,000 bonds disposal plant, 22,200 ft. 6- to 10-in. vitr. clay sewers in entire town. F. B. King, Grain Exch. Bldg., Oklahoma City, engr.

Okla., Collinsville — Defeated $31,000 bonds for sewers. Noted Sept. 4.

Wash., Ferndale — Making surveys remodeling sewerage system, 6,500 lin.ft. sewer pipe. $25,000. H. K. Rumberger, Bellingham, engr.

Calif., Los Angeles — See "Streets and Roads."

Calif., Sacramento — Made plans 1,705 lin.ft. 8- to 30-in. vitr. sewer, 5 manholes, 6 wye branches 6 in. on 24 in. pipe, in Swanton Property. A. J. Wagner, city engr.

Calif., Venice — Plans election approximately $300,000 bonds, constructing sewer outfall.

Ont., Riverside — Made plans rein.-con. sewage disposal plant, activated sludge type, air compressor, motor. $35,000. A. Smith, city engr. Noted May 1.

BIDS DESIRED

N. Y., Long Island City—Oct. 16, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Northern Blvd., 167th St., Armand Pl., Marlowe and Corona Aves.

N. Y., New York—Oct. 17, by J. Miller, pres. Manhattan Boro., Municipal Bldg., altering and improving extension of outlet sewer at foot of 4th St. and East River.

Pa., Mount Union—Oct. 20, by C. R. Gracey, secy. Boro Council, Municipal Bldg., 5,400 lin.ft. 8- to 12-in. vitr. clay sewer in Lafayette, West Market, East Milford, West Vandevender, West Halley, South Jefferson, Maxwell and Filbert Sts. D. W. Dillman, 91 Altoona Trust Bldg., Altoona, engr.

Fla., Punta Gorda — Oct. 16, by City Comn., J. Jordan, mayor, 16,100 ft. 8- to 12-in. sewers, 13,300 ft. 12- to 24-in. storm drains, etc., in various streets. $100,000. J. B. McCrary Eng. Corp., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs.

Mich., Grand Rapids—Oct. 14, by F. H. Locke, city mgr., 5,900 ft. vitr. clay pipe, rein.-con or plain concrete cast in place, precast plain or rein.-con. pipe or segmental block, in Carlton Lake Dr., also 1,500 ft. concrete, brick, clay or concrete segmental block tunnel. C. A. Page, city engr.

Wis., Milwaukee—Oct. 14, by Bd. Pub. Wks., 11,850 ft. 8- to 21-in. vitr., 923 ft. 42 in. and 1,425 ft. 36 in. rein.-con. sewers in various streets.

Minn., St. Paul—Oct. 28, by H. W. Austin, city purch. agt., Belt Line, Phalen and Hazel Park Sewerage System, in Margaret and Minnehaha Sts., Branch, (A) $1,000,000 (B) $300,000 (C) $25,000. G. M. Shepard, city engr.

Mo., St. Louis—E. R. Kinsey, pres. Bd. Pub. Serv., 304 City Hall, taking bids sewers and drainage work for Union Market. $37,000.

Calif., Glendale—Oct. 23, by City, constructing Glendale-San Fernando Valley Intercepting Sewer, Sect. 1, 18,416 lin.ft. 27- to 54-in. monolithic or precast rein.-con. pipe, $180,000, Sect. 2, 1,912 lin.ft. 48 in. Class A c.i. and 13,768 lin.ft. 42 and 48 in. monolithic or precast rein.-con. pipe, $220,000, Sect. 3, 17,676 lin.ft. 42 and 48 in. monolithic or precast rein-.con. pipe, $180,000. McDonnell Eng. Co., 415 Marsh-Strong Bldg., Los Angeles ,engrs. Noted Aug. 21.

Calif., Pismo Beach—Oct. 22, by Directors Pismo Beach Sanitary Dist., constructing ocean outfall and sewage disposal plant, 1,150 cu.yd. excav., 177 cu.yd. rein.-con., 192 lin.ft. 15 in. sewer pipe, 1,800 lin.ft. 12 in. c.i. pipe, 1,375 lin.ft. of which is to be laid in ocean. Black & Veatch, Fay Bldg., Los Angeles, engrs.

BIDS RECEIVED

Conn., Wallingford — City, 10,000 trunk sewage line in South Main St., from O'Neil Bros., Hartford, $34,466. Engrs. total est. $100,000. Noted Sept. 18.

Wis., Milwaukee — J. H Fowles, secy. Sewerage Comn., 508 Market St., structural steel for new sludge storage building on Jones Island, from Milwaukee Structural Steel Co., Watertown Plank Rd., $49,480.

Sewers (Continued)

Calif., Los Angeles—Constructing 11,000 lin.ft. 8 in. vitr. laterals, etc. in 65th St., from A. Dalmatin, 841 West 62nd St., $43,300. Engrs. est. $50,000. Noted July 31.

CONTRACTS AWARDED

Me., Portland—For 2,455 ft. 8- to 15-in. sewer in Edwards St., to J. Doscanio, 69 Fore St.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, sewerage works in Stillman Rd. and Private Land, here, to J. Williams & Co., 58 Wales Pl., Dorchester, $35,414. Noted Oct. 2.

Conn., Watertown—For 7,000 ft. tile and iron sewers and 25 manholes in Cutler and Main Sts., to Amer. Machy. and Equipment Co., Newington, $23,563. Engrs. est. $25,000. Noted July 3.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Sewers in Ave P, to Nazzarro & Querriero, West 9th St., 72.98 c/o engrs. est. ($28,405); in 65th St., to B. Peconi & Son, 570 18th St., 79 c/o engrs. est. ($24,675). Noted Sept. 25.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, sanitary sewers in 1st, 2nd, 3rd, 4th, 6th, 7th, 8th and 10th Sts., to G. Orrico, 500 Britton Ave., Concord $89,719. Noted Sept. 25.

Pa., Phila.—Bureau Surveys, Dept., Pub. Wks., Oct. 1, to A. Zafalla, 139 South 50th St., main sewer in Armstrong St., $308,776; to W. H. Garson, 5033 Brown St., intercepting sewer along Pennypack Creek $198,235; Chester Ave. $7,046; to F. T. Buckins, Jr., 4050 Kensington Ave., sewers in Armstrong St. $2,600, Wilmot St. $1,300; to V. J. Perna, 752 South 10th St., sewers in Cloud St. $3,201, Fernon St. $4,466; Salmon St., $3,520, Warrington St. $10,268; to A. De Sandro & Son, 3906 North 5th St., Haworth St. $6,197, Keystone St. $10,429, Sheldon St. $5,432; to J. Hastie, 601 East Hilton St., sewer in Tulip St. $3,957.

Pa., Phila.—Dept. Pub. Wks., Ithan St., sewer extension to city line, and Government Ave. sewer extension to remove discharge from Back Channel east of Broad St., to J. Lombardi, 601 Lincoln Bldg., $74,221 and $46,305 respectively; intercepting sewer along Pennypack Creek from point 180 ft. southeast of Frankford Ave. to point 843 ft. northwest of Welsh Rd., to Ryan Constr. Co., Real Estate Trust Bldg., $429,710; heating equipment in connection with outfall pier north east Sewage Treatment Works, at Wheatsheaf Lane and Delaware River to Bulman Bros., 2501 North 5th St., $2,666 electrical equipment for same, to W. V. Pangborne, 1927 West Montgomery St., $8,400. Noted Oct. 2.

W. Va., Ridgeley—See "Waterworks."

O., Cleveland — For 12- to 18-in. vitr. clay sewers in West 53rd and West 58th Sts., Granton and Walworth Aves., to Yahya Bros., 3196 West 25th St., $26,588; Firwood and Pawne Aves., to Hadded & Kariel Constr. Co., 415 Eagle Ave., $23,767.

O., Cleveland—For 670 ft. 3 to 6 ft. concrete sewer in Kingsbury Run 2, to Amato Constr. Co., c/o Sewer Contractors Exch., The Arcade, $40,762; sewer in Chatfield Ave., to Manson Co., The Arcade, $34,394. Noted Aug. 14.

O., Cleveland—Sewers in West 53rd St., Granton and Walworth Aves., to Yahya Bros., 3196 West 25th St., $3,417, $12,048 and $2,768 respectively; Kingsbury Run and Chatfield Ave., to W. MacDowell & Son, 10319 Miles Ave., $37,309 and $39,309 respectively. Noted Sept. 25.

O., New Philadelphia—Storm Sewer in south side, to H. Schneider, New Philadelphia, $39,945. Noted July 10.

Ill., Kenilworth—See "Waterworks."

Ia., Council Bluffs—For 9,976 ft. 24- to 60-in. storm sewers along 15th St., etc. to J. J. Wickham, Council Bluffs, $103,817; 2,940 ft. 6- to 10-in. vitr. clay sewers, etc., to G. Carlson, 2449 Larimore Ave., Omaha, Neb. Noted Sept. 4.

Ia., Farragut—For 16,750 ft. 8- to 12-in. sewers, 24 ft. 10 in. c.i. pipe, 38 manholes, 1 flush tank, 3 lamp holes, rein.-con. sluiceway, etc., to J. Doyne, Council Bluffs, $17,497.

Neb., Grand Island — See "Streets and Roads."

Mo., St. Louis—Sewers in Werne Ave. Pub. Relief Sewer, 700 ft. 15 ft., rein.-con. horseshoe; 3,050 ft. 13 ft. concrete horseshoe or 12 ft. brick, 230 ft. 6- to 21-in. vitr. clay pipe, to Blackburn & Crean, Chouteau Trust Bldg., $323,796, engrs. est. $385,000; Rocky Branch Sewer 1, 3,800 ft. 8 x 9 x 11 ft. rein.-con. horseshoe, 8,760 ft. 3 to 7 ft. in diam., brick or segmental block, 3,640 ft. 27- to 39-in. vitr. clay brick or segmental tile, and 13,475 ft. 6- to 24-in. vitr. clay pipe, to F. A. Stiers, 4500 Enright Ave., $664,289, engrs. est. $578,000. Noted Oct. 2.

Okla., Tulsa—See "Bridges."

Calif., Santa Monica—See "Streets and Roads."

Ont., Kenora—For 2 mi. sewers, to Kelly & Kimberly, Kenora. Engrs. est. $50,000.

Ont., Port Elgin—Concrete disposal plant to W. T. Ellis, R.R. 1, Walkerton, Ont., and sewers to T. J. McLean, Wingham, Ont. Engrs. est. $35,000. Noted Sept. 11.

Bridges

PROPOSED WORK

Tennessee—See "Streets and Roads."

Kentucky—State Dept. Hys. and Pub. Wks., Nashville, rejected bids Sept. 22, bridges over Kentucky River on Hazard-Whitesburg Rd., and bridges over Kentucky River on Hazard-Jackson Rd., both Perry Co. J. S. Boggs, highway engr. Noted Sept. 4.

Wis., Kaukauna—Soon takes bids bridge over Fox River and canal for 20 ft. highway and 2 sidewalks, 1,600 cu.yd. concrete and 360 tons structural metal and machinery, etc. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., consult. engrs. Noted July 17.

Nebraska—Clerk Saunders Co. (Wahoo), rejected bids Sept. 19, 3 bridges with twelve 100 ft. low riveted trusses, 20 ft. roadway, etc., across Platte River on Millard-Wahoo Rd., Federal Aid Project 235 A, for Saunders Co. (Wahoo) and Douglas Co. (Omaha). R. L. Cochran, Brownell Bldg., Lincoln, state engr.

Tex., Carthage — See "Streets and Roads."

Tex., Corsicana—Navarro Co. soon takes new bids concrete and steel span bridge over Chambers Creek. $60,000. Former bids rejected. W. W. McClendon, co. engr.

Tex., Jefferson — See "Streets and Roads."

Tex., Memphis — Hall Co. plans bridge over Red River. $50,000 bond election soon. State and Federal Aid to appropriate $225,000 toward cost. A. C. Hoffman, co. judge.

Tex., Pearsall—See "Streets and Roads."

Okla., Fort Gibson—Muskogee Co. making preliminary plans rein.-con. and steel bridge over Grand River. $80,000. State to appropriate $20,000 toward cost.

Ore., Portland—Election Nov. 4, $500,000 additional bonds, to raise level of Ross Island and Selwood bridges, 120 ft. above high water, etc.

Calif., Modesto—Supervs. Stanislaus Co., taking bids rein.-con. bridges in various sections of county. $27,500. J. H. Hoskins, co. surv.

Que., Roxton — Constructing Brazeau Bridge, 2 span concrete, to E. Provost, Acton Vale, $32,500. Engrs. est. $40,000.

B. C., Nanaimo—City Council takes bids in about 6 weeks, 356 ft. rein.-con. bridge and approach with one 150 ft. arch with 90 ft. filled approach in concrete retaining walls, two 34 ft. and two 24 ft. girder spans, on Boston St., $45,000. P. P. Brown, 410 London Bldg., Vancouver, engr. Noted Sept. 11.

BIDS DESIRED

Fla., Miami—Oct. 21, by City, constructing bridge over Miami River at Northwest 5th St. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., consult. engrs.; Adv. E. N.-R. Oct. 9. Noted May 15.

Tennessee—Oct. 31, by State Dept. Hys. & Pub. Wks., Nashville, 5 rein.-con. bridges over 20 ft. span, on Trenton-Kenton Rd., State Aid Project 175-D, State Project 41, Gibson Co. J. G. Creveling, highway engr. Noted Oct. 2.

Tennessee—See "Streets and Roads."

South Dakota — Oct. 14, by State Hy. Comn., Pierre, culverts on 6.02 mi. State Aid Project 104, Roberts Co., 167.39 cu.yd. concrete, 14,796 lbs. reinforcing, etc.; bridge and culverts on 4.04 mi. State Aid Proect 105 Grant Co., 157.22 cu.yd. concrete, 16,032 lbs. reinforcing, 46,324 lb. structural steel, etc. F. D. Hudgins, ch. engr.

Mo., Kansas City — Oct. 23, by A. J. Stewart, purch. agt., City Hall, steel plate girder railroad bridge. Fuller & Maitland, 600 Walnut St., engrs.; adv. E. N.-R. Oct. 9.

Tex., Floresville — See "Streets and Roads."

Tex., Houston—Oct. 14, by C. H. Bryan, judge Harris Co., six, over 20 ft. span rein.-con. bridges on State Highway 19, $44,930. Howe & Wise, 812-16 First Natl. Bank Bldg., engrs.

Oklahoma—Oct. 13, by State Hy. Dept., Oklahoma City, at office of Clerk Garfield Co., at Enid, pier extension and timber trestle over Deer reek, near Hydro, State Aid Poject 38, Caddo Co, 940 lb. reinforcing, 5,480 ft. creosoted timber piling, 13,275 ft. untreated timber, etc.; rein.-con. culverts on State Aid Project 54, Garfield Co., 2,708 cu.yd. concrete and 389,420 lb. steel; bridge over North Canadian River at Woodard, State Aid Project 22, Woodard o., 4,000 cu.yd. borrow, 4,480 lin.ft. creosoted pile, 113,700 ft. untreated, 10,500 ft. creosoted and 6,700 ft. untreated painted timber; bridge over Salt Creek of Arkansas River, State Aid Project 9, Alfalfa Co., 500 cu.yd. borrow, 7,720 lb. reinforcing, 116,940 lb. fabricated steel, 360 lin.ft. creosoted timber piles, 19,860 ft. untreated timber, 1,500 ft. bank protection, etc. J. M. Page, highway engr.

BIDS RECEIVED

Pa., Pittsburgh — Allegheny Co., c/o Dept. Pub. Wks., Court House, masonry and approach filling work on 7th and 9th St. bridges over Allegheny River, from Vang Constr. Co., Baltimore, Md., straight bid $1,169,381, simplex piling $1,115,576.

California — Directors Joint Highway Dist. 2, Court House, Bakersfield, 4 wooden pile trestles bridges, on Cayuma Highway between Maricipa and Santa Maria, Kern Co., from Renner Foundation Co., 628 Montgomery St., San Francisco, $23,975. Noted Sept. 25 under "Bakersfield."

Calif., Los Angeles—Tropico Bridge over Los Angeles River, on Los Felix Blvd., 5,625 cu.yd. concrete, 15,500 lin.ft. piling, 9,200 ft. earth fill, from T. S. Kelly & Sons, Hillstreet Bldg., $153,228.

CONTRACTS AWARDED

Massachusetts — Dept. Pub. Wks., Div. Highways, State House Boston, 2 span, 382 ft. rein.-con. beam bridge and bituminous macadam approaches on highway in Stockbridge, to Hoyt Constr. Co., 85 Dartmouth St., Holyoke, $22,636; 1 span, 513 ft. bridge and bituminous macadam approaches on highway in Chester, to D. W. Dwyer, Housatonic St., Dalton, $20,296; one 16 ft. and one 25 ft. rein.-con. beam bridges with gravel approaches on about 459 ft. highway in Ashland, to G. S. Allen, Amherst, $10,204. Noted Sept. 18.

S. C., Kingstree—Williamsburg Co., 193 ft. rein.-con. bridge, on Federal Aid Project 247, to Charleston Eng. & Constr. Co., Charleston, $35,302. Noted Sept. 4.

S. C., St. George — See "Streets and Roads."

Indiana—State Highway Comn., Indianapolis, **(S. R. means State Road, r.c.g. rein.-con. girder, r.c.a. rein.-con. arch, s.t. steel truss, r.c.s. rein.-con. slab, r.c.b. rein.-con. box, and e.e. engrs. est.)**, 2 r.c.g. and 1 r.c.a. on S. R. 6-G, Marion Co., also 2 r.c.a. on S. T. 6-F, Shelby Co., to E. F. Smith, Indianapolis, $7,417 and $54,140 respectively, e.e. $10,470 and $56,636 respectively; 1 r.c.g. and 1 s.t. on S. T. 6-F, Shelby Co., to Burk Constr. Co. New Castle, $17,562, e.e. $20,262; 2 r.c.g. on S. T. 22-G, Marion Co., to Cunningham Constr. Co., Indianapolis, $15,356, e.e. $17,526; 1 r.c.s. on S. T. 22-F, Morgan Co., and 1 r.c.g. on S. T. 22-G, Johnson Co., to W. H. Grammer & Son, Evansville, $13,483, e.e. $16,580; 2 r.c.g. on S. R. 22-F, Morgan Co., also 1 r.c.g. on S. T. 10-O, and 1 r.c.s. on S. T. 33-B Fountain Co., to R. H. King, Danville, $19,572 each, e.e. $21,916 each; 2 r.c.b. and 2 r.c.g., on S. R. 32-F, Putnam Co., also 1 r.c.s. and 1 r.c.g. on S. R. 32-G, 1 r.c.b. on S. R. 33-E, 1 r.c.g. on S. R. 32-I, Montgomery and Tippecanoe Counties, to D. L. Reichard, 607 East Wabash Ave., Crawfordsville, $4,566 and $9,807, respectively, e.e. $6,652 and $15,179 respectively; 1 r.c.s. and 1 r.c.a., on S. R. 47-B, Spencer Co., to R. P. Olinger, Huntingburg, $8,981, e.e. $12,739; 1 s.t. on S. R. 10-C, Gibson Co., and 1 s.t. on S. R. 4-F, Sullivan Co., to Vincennes Bridge Co., Vincennes, $18,186 and $5,439 respectively, e.e. $25,188 and $7,132 respectively; 1 s.t. on S. R. 4-F, Sullivan Co., to W. Wood, Terre Haute, $10,782, e.e. $13,195; 1 r.c.g. on S. R. 9-A, Parke Co., to H. C. Anderson, Green Castle, $5,602, e.e. $6,971. Noted Sept. 18.

Ia., Marengo—Iowa Co., one 20 x 120 ft. high truss bridge on Road 7, to Iowa Bridge Co., 1263 East 19th St., Des Moines, $21,961, one 18 x 120 ft. high truss bridge south of Ladora, to M. O. Bernett, Marengo, $13,150.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and**

Bridges (Continued)

S. A. P. means State Aid Project) one 33 ft., and one 120 ft., concrete viaducts on F. A. P. 187 B., Chas. Mix. Co., to Tobin & Maloney, Madison, 12,850; 14 small timber bridges on S. A. P. 90, and 3 timber bridges on S. A. P. 99, Dewey Co., to Western Bridge Constr. Co., 748 Peters Trust Bldg., Omaha, Neb. $5,211 and $1,182 respectively, 2 timber bridges and one 52 ft. concrete viaduct on S. A. P. 98, Ziebach Co., to Shelp & Malloy, Lemmon, $9,353. Noted Sept. 18.

Tex., Houston — Harris Co., 8 concrete bridges on Seabrook Loop Rd., to Walling & Harrison, Carter Bldg., Houston, $44,678. Engrs. est. $50,000.

Tex., La Grange — See "Streets and Roads."

Okla., Tulsa — Reconstructing rein.-con. bridge at 3rd St., to R. Tanner & Co., 106 North Boulder Ave., $21,309; storm sewer, Job-R. to Greyhound Constr. Co., Tulsa, $2,591; sanitary sewers in Dist. 210, to W. L. Foster and J. K. Roach, 1120 South College Ave., $864.

California—State Highway Comn., Sacramento, five 30 ft. span concrete girder bridge over Cherokee Canal near Richvale, Butte Co., to R. B. McKenzie, Gerber, $10,737; also four 50 ft. and five 22 ft. span, rein.-con. girder bridge across Cottonwood Creek, 7½ mi. northeast of Edison, Kern Co., to J. L. Webster, Chico, $29,300. Noted Sept. 4 and Oct. 2 respectively.

Dams

PROPOSED WORK

Mo., Waynesville—See "Dam Buildings—Industrial."

Ariz., Charleston—San Pedro Valley Irrigation Co., Tombstone, plans dam across San Pedro River here. Plans election over $25,000 bonds for same. W. R. Elliott, Phoennix, engr.

CONTRACTS AWARDED

Calif., Lemoore—Lemoore Canal & Irrigation Dist., constructing rein.-con. weir, to H. C. Whitney, Sanger, approximately $27,500.

Railways

PROPOSED WORK

Illinois — Chicago, Northwestern R.R. Co., West Jackson Blvd. and Franklin Sts., Chicago, making preliminary plans grading and laying 20 mi. standard rails, etc., from Proviso (Hinsdale P. O.), to point about 2 mi. of West Chicago. $1,000,000. W. T. Towne, ch. engr.

Oklahoma — Oklahoma Union Railway Co., 105 West 4th St., Tulsa, making preliminary plans 18.5 mi. track from Nuyaka, Okmulgee Co., to Okemah, Okfuskee Co. W. Matthews, 105 West 4th St., Tulsa, ch. engr.

BIDS DESIRED

Texas — Oct. 20, by Houston & Texas Central R.R. Co., Southern Pacific Bldg., Houston, extension and completion to subgrade of line of railway at Dallas, known as Houston & Texas Central Belt Line at Dallas, from Mile 4 near crossing of Texas & Pacific Ry. to Mile 12 at proposed junction of Belt Line with main line of Houston & Texas Central R.R. from Dallas to Deninson. H. M. Lull, ch. engr.

CONTRACTS AWARDED

British Columbia—Canadian Natl. Ry., Winnipeg, Man., clearing, grading and constructing culverts along line from Deeholme to Cowichan Bay, to A. B. Palmer & Co., 736 Granville St., Vancouver, $70,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Miss., Water Valley — Voted $35,000 bonds draining Town Creek.

O., Massillon—River Straightening Com. of Chamber of Commerce having plans prepared straightening Tuscarawas River incl. 130 ft. channel and establishing about 550 sq.mi. Tuscarawas Conservancy Dist., excavation $297,120, retaining walls $177,930, land $50,000, bridges $322,450, and miscellaneous $20,000. Cost to be borne by City, Stark Co. (Canton) and railroads. McClasky & Reese, Canton, engrs.

Mo., Elsberry—Lincoln Co. Rice Farming Co., c/o A. V. Rowe, making preliminary plans irrigation system, incl. 30,000 acres, 7 mi. main channel, 60-75 ft. wide with numerous laterals, 3 pumping units 10,000 g.p.m. each, etc., in Lincoln Co.

Calif., Corcoran — Tulare Lake Water Storage Dist. plans irrigation work, reclamation and drainage system, incl. large reservoir, levees, canals, ditches, etc. $2,500,000. A. D. Schindler, Balfour Bldg., San Francisco, consult. engr.

BIDS DESIRED

N. Y., Albany — Oct. 31, by R. K. Fuller, comr. Canals and Waterways, 55 Lancaster St., excavating in old Erie Canal, Terminal Contr. 97.; adv. E. N.-R. Oct. 9.

Mo. St. Louis—See "Sewers."

Tex., Edinburg—Oct. 25, by W. L. Rockwell engr. Hidalgo Co. Water Impvt. Dist. 4, 8 mi. canals in Sects. 249, 251, 253, 254, 256, 259, 260, 266 and 267, 80,000 cu.yd. materials to move (earth), clearing right-of-way, etc. $200,000. Noted Aug. 14.

Calif., Litchfield — Directors Tule & Baxter Creek Irrigation Dists., taking bids constructing lower Eagle Lake approach tunnel, etc., 1,000 cu.yd. tunnel and 8,000 cu.yd. open cut excav., 225 cu.yd. concrete exclusive of backfill. H. S. Riddell, Litchfield, engr.

Porto Rico—Oct. 31, by Dept. Interior, San Juan at office G. Esteves, comr., constructing portion of canals and tunnels on Guatjataca Diversion Canal; near Quebradillas and Isabela. R. A. Gonzalez, Isabela Irrigation Serv., ch. engr.; adv. E. N.-R. Oct. 9.

BIDS RECEIVED

Calif., Tracy—Oct. 22, by Directors Banta-Carbona Irrigation Dist., constructing dredger cut, 250,000 cu.yd. excav. W. D. Harrington, Tracy, engr Noted Sept. 18.

CONTRACTS AWARDED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., improving Buffalo River and Cazenovia Creek, 950,000 cu.yd. excav., to Cleveland Eng. Constr. Co., 778 The Arcade, Cleveland, O., $0.285 per cu.yd. Noted July 17.

Mont., Butte—City, about 2 mi. dredging bed and straightening channel bends, in Silver Bow Creek, from W. E. Applegate, Anaconda, $21,982.

Mo., Kennett — Dunklin Co. D. D. 39, clearing old ditches and excavating about 3 mi. new laterals, etc., 677,000 cu.yd. excav., to O. Kochtitzky, Cape Girardeau, $0.11. Noted Sept. 25.

Arkansas—State Hy. Dept., Little Rock, will widen 2,100 ft. levee between Dardanelle and Ola, embankment 15 ft. high, 16 ft. wide, by day labor. J. G. Creveling, highway comr.

Streets and Roads

PROPOSED WORK

Mass., Newton (Boston P. O.)—Making plans improving new street from Waltham to Watertown Sts. $25,000. W. P. Morse, city engr.

Pa., Bristol—Plans improving Pond St., and concrete and macadam surfacing 7 other streets. $66,650. J. S. Roberts, Jr., 205 Washington St., engr.

W. Va., Wheeling — City council plans constructing and improving various streets and roads, various types of material. $850,000. A. Griffin, city engr.

Fla., Bowling Green—Town Council plans vitr. brick or concrete paving Oak Ave. and Banana St., $42,493; and portions of Church Ave., Jones, West Central and Main Sts., $39,385. H. H. Bryan, town clk.

Tex., Bonham—P. B. Price, engr., c/o Court House, soon takes bids concrete surfacing 1 mi. Highway 5, 18 ft., for Fannin Co. $36,000.

Tex., Carthage — Panola Co. making plans grading and bridging 14.7 mi. Fairplay Rd. from here to Rusk Co. line, 26 ft. $81,500. Titus & Dillon, co. engrs.

Tex., Ft. Worth—Making plans paving 2 mi. Stone Foundry Rd. from Summit Ave. to Brooklin Heights. $50,000. D. L. Lewis, city engr.

Tex., Henrietta—Clay Co. making plans grading and rein.-con. surfacing 19.25 mi. State Highway 50, 18 ft. $350,000. D. M. Puckett, co. engr.

Tex., San Antonio—Bexar Co. making plans grading and surfacing with gravel and bituminous topping 8.8 mi. Castroville Rd., State Highway 3, 18 ft. $149,000. A. C. Pancoast, co. engr.

Fla., Sanford — Voted $29,400 bonds sheet asphalt paving 11,760 sq.yd. portion of Myrtle Holly Rds.; $41,160 bonds, 16,464 sq.yd. portion of 8th Ave., 5th, 15th and 16th Sts.; $26,460 bonds, 10,584 sq.yd. portion of Elm Ave. and 14th St.; $29,400 bonds, 11,760 sq.yd. portion of Park Ave., Maple and Popular Sts.; $29,400 bonds, 11,760 sq.yd. portion of 12th and 6th Sts.; $29,400 bonds, 11,760 sq.yd. portion of 11th and 3rd Sts.; $25,000 bonds, 9,958 sq.yd. portion of 7th Ave.; $32,340 bonds, 12,936 sq.yd. portion of Highland Ave., 9th and Hughy Sts. F. T. Williams, Sanford, engr.

Fla., Tampa—Hillsborough Co., election Oct. 28, $30,000 bonds, vitr. brick paving and concrete curbing Rd. 1, from Bayshore to DeSota Park; also $230,000 bonds, 5.75 mi. Rd. 2, from Hillsborough Bay to Bayshore Riverview. A. B. Pimm, Court House, engr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville (**S. P. means State Project**), plans grading and bituminous macadam surfacing 12 mi. Lenoir City-Monroe Co. line Rd., 18 ft., Loudon Co., 5 mi. Sequatachie-Whitwell Rd., 16 ft., Marion Co., 4 mi. Bluff City-Carter Co. line Rd., 16 ft., Sullivan Co.; grading and gravel surfacing 7 mi. Lewisburg-Maury Co. line Rd., 16 ft., S.P. 50, Marshall Co., 14 mi. Clarksville-Robertson Co. line Rd., 16 ft., S.P. 48, Montgomery Co.; grading, etc., 10 mi. Forbes-Kentucky State line Rd., 16 ft., S.P. 28, Pickett Co. J. G. Creveling, highways comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, (**F. A. P. means Federal Aid Project**), will probably take bids in December, grading, etc., 11 mi. Clinton-Campbell Co. line Rd., 18 ft., Highway 9, Anderson Co., 12 mi. Huntington-McKenzie Rd., 16 ft., Highway 22, Carroll Co., 5.5 mi. Rutherford-Kenton Rd., Highway 41, Gibson Co., 13 mi. Morristown-Bulls Gap Rd., 18 ft., Highway 34, Hamblen Co., 3 mi. Ooltewah-Bradley Co. line Rd., 18 ft., Highway 2, Hamilton Co.; grading, etc., 4 mi. Bridgeport, F. A. P. 23 Rd., 18 ft., incl. bridge over French Broad River, Highway 9, Coche Co.; grading and bituminous macadam surfacing 10.5 mi. Shelbyville-Rutherford Co. line Rd., 16 ft., Highway 10, Bedford Co.; bituminous macadam surfacing 10.75 mi. Carthage-Wilson Co. line Rd., F. A. P. 68, Smith Co.; grading and probably slag surfacing 27 mi. Lafollette-Jellico Rd., 18 ft., Highway 9, Campbell Co.; grading and gravel surfacing 4.5 mi. Bodeham-Lawrence Co. line Rd., 16 ft., Giles Co.; grading and probably chert or gravel surfacing 18.8 mi. Savannah-Wayne Co. line Rd., 16 ft., Hardin Co., 16 mi. Waynesboro-Hardin Co. line Rd., 16 ft., Wayne Co.; grading and chert surfacing 5 mi. Mt. Pleasant-Rockdale Rd., 18 ft., Highway 6, Maury Co. J. G. Creveling, highway engr.

Tenn., Nashville—Bd. Pub. Wks. plans surfacing in early part 1925, 10 or 12 blocks Fatherland St., and 4 blocks Shelby Ave., probably rock asphalt. W. W. Southgate, City Hall, engr. Noted May 8.

O., Lakewood—Election Nov. 4, $75,000 bonds for paving various streets. E. A. Fischer, City Hall, engr.

O., New Comerstown—Soon takes bids rein.-con. paving 1 mi. East State St., 40 ft., $56,000. State and Tuscarawas Co. (New Philadelphia) will appropriate $26,000 toward cost. Noted Aug. 21.

O., Struthers—City plans paving Center St., brick on concrete. $25,000-$30,000.

Ill., Altamont—Takes bids in November grading, curbing and concrete paving 3 mi. Main St., and other streets, 20 to 30 ft. $125,000. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Metropolis—Massac Co. voted $25,000 bonds graveling roads in Georges Precinct

Ill., Proviso (Hinsdale P. O.) — See "Railways under Illinois."

Ia., Eldorado—Hardin Co. making preliminary plans grading and gravel surfacing various roads, incl. bridges, etc. $300,000. J. R. Nieher, Court House, engr.

Ia., Pocahontas—Pocahontas Co. making preliminary plans grading and gravel surfacing various roads. $70,000.

Kan., Belleville — Republic Co. making preliminary plans improving Pikes Peak Rd., Federal Aid Project 272-C, Sect. A, 7.292 mi. grading, rolling, etc., Sect. B, 1.378 mi. concrete paving, and Sect. C, 0.51 mi. concrete paving all 18 ft. J. O. Gunnels, Belleville, engr.

Kan., Emporia—Lyon Co. making preliminary plans grading and feather edge gravel surfacing 8.995 mi. Federal Aid Project 260-B. W. S. Ruggles, Emporia, engr.

Kan., Paola—Miami Co. plans grading, etc., 8.255 mi. Federal Aid Project 213-A, 28 ft. Kansas Eng. Co., 1233 Wester St., Topeka, engrs. Noted Aug. 14.

Kan., Wichita—Sedgwick Co. making preliminary plans grading and concrete paving

Streets and Roads (Continued)

8,590 ft. Arkansas Ave. and Lincoln St., 24 ft. M. Roseberry, Wichita, engr.

Mo., Holden—Making preliminary plans grading, curbing and paving with concrete, asphaltic concrete or brick on concrete, 18 blocks various streets. $50,000. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, had preliminary plans prepared grading between property lines, etc. Kraft Ave. $31,500, Harlan Ave. $7,500; grading paving with either granite block on concrete or vitr. brick on concrete Brown Ave. $6,940-$9,560, Taylor Ave. (Gibson Heights subdivision) $14,100-$16,260, Newport Court $3,460-$4,000; grading and paving with asphalt, Warrenite, asphaltic concrete, Willite cement or brick, Barthold Ave. $4,600-$5,560, Christy Ave. $9,900-$11,000, West Michigan St. $31,000-$37,800, Illinois Ave. $8,400-$8,800, Louisiana Ave. $10,000-$11,300, Magnolia Ave. $13,700-$15,500, San Francisco St. $13,600-$15,500, Shenandoah Ave. $29,400-$31,150, also considering widening street 3 ft. and paving with either brick or vitrolithic concrete $49,800-$55,300; reconstructing incl. grading and paving with asphalt, Willite or Warrenite, Shenandoah St., $21,950-$22,800, Lamp St. $20,600-$21,300. W. W. Horner, 300 City Hall, engr.

Mo., Springfield — Making preliminary plans grading, curbing and concrete paving 13,557 sq.yd. Weaver, Florida, Harrison and Olive Sts. $27,000. G. W. Culler, City Hall, engr.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans grading and concrete paving 10 mi. Blytheville-Leachville Rd., 18 ft., Mississippi Co. R. C. Limerick, highway engr.

Ariz., Tombstone — Cochise Co. making surveys grading and surfacing 6 mi. Garden Canyon Rd. in Huachuca Mts.; also grading and asphaltic concrete surfacing about 6 mi. Old Spanish Trail between Tombstone and Bisbee, 16 ft. S. Smith, Tombstone, engr.

Tex., Amarillo — Potter Co., making plans grading and gravel surfacing 6 mi. State Highway 13, 18 ft. $39,800. O. A. Seward, co. engr.

Tex., Brady — McCulloch Co., making plans gravel surfacing 5.02 mi. Brady-Eden Rd., through Melvin Rd. Dist., 18 ft. $36,000. E. A. Burrows, co. engr.

Tex., Comanche — Comanche Co. voted $100,000 bonds hard surfacing 7 mi. De Lon-Desdemonia Rd., Dist. 5, 18 ft. F. J. Reese, co. judge.

Tex., Dallas—M. G. James, city secy., c/o City Hall, soon takes bids removing wood block and repaving Houston St. from Viaduct to Commerce St. $27,500. E. A. Kingsley, city engr.

Tex., Fairfield — Firestone Co. making plans surfacing 23 mi. road from here connecting with State Highway 43, 16 ft. $182,500. J. E. Johnson, co. engr.

Tex., Jefferson—Marion Co. soon takes bids grading and bridging 20.06 mi. State Highway 49, Federal Aid Project 365, 18 ft. $200,000. T. B. Warden, co. engr.

Tex., Marshall—Harrison Co. soon takes bids bituminous macadam surfacing 16.2 mi. State Highway 15, 16 ft. $75,000. W. J. Warren, co. engr.

Tex., Nocona—Making plans permanent paving Clay St., brick on concrete. $40,000. F. E. Devlin, 614 Bitting Bldg., Wichita Falls, engr.

Tex., Pearsall — Frio Co. making plans grading, gravel surfacing and bridging 14.83 mi. State Highway 85, from Dilley to Dimmitt Co. line, 18 ft. $170,000. R. E. Killmer, co. engr.

Tex., Sanderson—Terrell Co. takes bids after Oct. 10, caliche surfacing 9.06 mi. Emerson-Del Rio Rd., 18 ft., State Highway 3, Federal Aid Project 324-C, 18 ft. $188,000.

Tex., Victoria—Victoria Co. plans election this fall or winter $750,000 bonds highway improvements. Total $1,500,000. Noted Sept. 4.

Okla., Blackwell — Plans improving 14 blocks North 1st, 4th, 7th and Dewey Sts., 9,500 sq.yd. vertical fibre brick, 7,100 lin. ft. curbing, 3,000 cu.yd. earth and 160 cu. yd. rock excav. $42,000. W. Ritzhaupt, Jr., Blackwell, engr.

California — Colusa Co. (Colusa) plans election $25,000 bonds or more to construct roads in vicinity of Princeton, Grimes, Williams, etc.

California—State Hy. Comn., Sacramento, making plans grading 10 mi. Halfway Creek-Scholes Ranch Rd., Shasta Co., 300,000 cu.yd. excav. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Chico — Making plans paving streets east of Main St. To exceed $25,000. I. R. Morrison, city mgr.

Calif., Los Angeles — Plans improving streets in Glassell-Verdugo Dist. $25,000 appropriated. J. L. Griffin, city engr.

Calif., Los Angeles — Plans improving Fries Ave. between O and Anaheim Sts., 140,882 sq.ft. 6 in. concrete paving, curbing, guttering, storm sewers, etc. J. L. Griffin, city engr.

Calif., Los Angeles — Plans widening approximately 3 mi. Exposition Blvd. To exceed $25,000. J. L. Griffin, city engr.

Ont., Niagara Falls—Making plans resurfacing various streets, cement brick. T. Scott, city engr. $30,000.

Ont., Toronto—Soon takes bids paving Harbor Boulevard Dr., 48,000 cu.yd. earth excav. $45,000. R. C. Harris, City Hall, engr.

BIDS DESIRED

New Hampshire—Oct. 10, by State Hy. Dept., Concord, grading 0.25 mi. highway, and 14 ft. concrete arch culvert in Boscawen, (Ind. Br. of Concord); also graveling 0.75 mi. highway in Northwood. F. E. Everett, comr.

N. Y., Long Island City—Oct. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Woodhaven Blvd., etc.; permanent paving centrally located area 64 ft. in width with sheet asphalt on Woodhaven Blvd., etc.

N. Y., Long Island City—Oct. 16, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on Hunterspoint Ave. and 84th St.; sheet asphalt paving 102nd St., sheet asphalt repaving Astoria and Jackson Aves.; granite block paving Manley St.

N. Y., New York—Oct. 17, by J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving King, Lafayette and 93rd Sts.; sheet asphalt repaving 59th and 61st Sts.; curbing, recurbing, flagging and sheet asphalt paving West 189th St.

N. Y., St. George — Oct. 10, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and concrete paving Hylan Blvd.

N. Y., St. George — Oct. 15, by J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block repaving Clove Rd.

N. J., Bayonne—Oct. 16, by Bd. Educ., grading and improving grounds at Junior High School. J. A. Skienar, secy.; adv. E. N.-R. Oct. 9.

New Jersey—Oct. 20, by State Hy. Dept., Trenton, constructing Route 4, Sect. 25A, Morgan grade crossing elimination in Middlesex Co. A. L. Grover, secy.; adv. E. N.-R. Oct. 9.

N. J., Freehold — Oct. 22, by Freehold Twp. Com., Library Bldg., improving Elton-Adelphia Rd., gravel on slag. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Oct. 9.

Pa., Pittsburgh—Comrs. Alleghany Co., taking bids and open same about Oct. 10, asphaltic concrete paving 600 ft. Ohio St. from here to west boro line of Millvale. $50,000. County, c/o Dept. Pub. Wks., 519 Smithfield St., engrs.

Delaware—Oct. 15, by C. D. Buck, engr. State Hy. Dept., Dover, constructing 1.72 mi. Contr. 31, Blackbird-Ginns Corner Rd., Contr. 31; 0.837 mi. Du Pont Blvd.-Ellendale Rd., Contr. 49, and 1.1 mi. West Corner-Lowes X Rds., Contr. 50, in New Castle, for State Hy. Dept.

Maryland — Oct. 14, by State Rds. Comn., Baltimore, graveling 2.71 mi., Contr. CH-30, Charles Co., $19,000; 1.51 mi. Contr. C-20, Calvert Co., $12,000. J. N. Mackall, Garrett Bldg., chn.

Md., Baltimore—Oct. 15, by Bd. Awards, sheet asphalt paving 18,280 sq.yd. Contr. 266-CANA. S. C. Rowland, acting chn. Paving Comn., 214 East Lexington St., engr.

S. C., Beaufort—See "Bridges."

S. C., Hampton—Oct. 15, at office Lawton Twp. Hy. Comn., Peeples Hardware Store, Estill, grading and sand clay surfacing, etc., 27,949 cu.yd. State Highway 33, State Project S-561. W. C. Cathey, Scovill Bldg., Orangeburg, engr.

S. C., Lancaster—Oct. 15, at office Bd. Comrs. Lancaster Co., approaches to bridges on Lancaster-Charlotte Rd., State Route 2, Federal Aid Project 10-C, 32,494 cu.yd. common and 2,500 cu.yd. rock excav., 3,338 cu.yd. topsoiling. State Hy. Comn., 1626 Main St., Columbia, engr.

Fla., Moore Haven—Oct. 25, by Comrs. Glades Co., single treatment on 242,000 sq. yd. Project 8, $25,000; surfacing 10,155 cu.yd. Project 7, $40,000, 21,700 cu.yd. Project 6, $80,000; resurfacing 18.9 mi. Project 4, $25,000, constructing 18.6 mi. new road, Project 3, $80,000; reconstructing and widening 5.5 mi. Project 2, $35,000. N. S. Wainwright, clk.

Fla., Punta Gorda — Oct. 16, by City Comrs., V. J. Jordan, mayor, improving various streets, 29,771 sq.yds. asphaltic or concrete paving, 20,650 lin.ft. curb and gutter. $150,000. J. B. McCrary Eng. Corp., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs.

Ala., Mobile — Oct. 30, by Bd. City Comrs., paving, curbing, guttering, also storm sewers. W. Smith, city engr.; adv. E. N.-R. Oct. 9.

Louisiana—Oct. 21, by Highway Comn., Reymond Bldg., Baton Rouge, constructing and graveling, 0.86 mi. approach to bridge over Bayou Block, near Port Gibson, State Project 108 A, Terrebonna Parish; 8.77 mi. Mansfield-Henson Highway State Project 416 A, De Sota Parish.; 8.82 mi. Arcadia-Natchitiches Highway State Project 341 D, Bienville Parish, J. M. Fourmy, state highway engr.

Tennessee—Oct. 31, by State Dept. Hys. & Pub. Wks., Nashville, (**F. A. P. means Federal Aid Project, S. P. means State Project**), concrete surfacing 8.25 mi. Marysville-Knox Co. line Rd., 18 ft., Highway 33, Blount Co.; slag surfacing 12 mi. Helenwood-Morgan Co. line Rd., 16 ft., Scott Co.; grading, etc., 9.58 mi. road from F. A. P. 51-A to Madison Co. line, 18 ft., F. A. P. 51-B, Highway 1, Carroll Co., 4.39 mi. Laconia-Hardeman Co. line Rd., F. A. P. 19-B, Highway 15, Carroll Co., 4.49 mi. Dyer-Rutherford Rd., S. P. 175-B, Highway 41, Gibson Co., 11.71 mi. Greenville-Washington Co. line Rd., 18 ft., Highway 34, Greene Co., 3.88 mi. Knoxville-Blount Co. line Rd., 18 ft., incl. concrete bridge over 20 ft. span, S. P. 179, Highway 33, Knox Co., 6.05 mi. Gates-Dyer Co. line Rd., 18 ft., F. A. P. 39-B, Highway 3, Lauderdale Co., 10.04 mi. Gates-Ripley Rd., 18 ft., F. A. P. 39-C, Highway 3, Lauderdale Co., 4.19 mi. Fayettsville-Alabama State line Rd., 16 ft., incl. concrete bridge over 20 ft. span, F. A. P. 173, Highway 10, Lincoln Co., 11.55 mi. Kingstown-Louden Co. line Rd., 18 ft., Highway 1, Roane Co.; grading 0.12 mi. earth approach and reincon. viaduct over Louisville & Nashville R.R. tracks at Clarksville, Montgomery Co., and earth approaches to bridge over Roaring River, Jackson Co. J. G. Creveling, highway comr.

Michigan—Oct. 13, by State Hy. Dept. at office Comrs. Branch Co., Coldwater, grading and surfacing 0.825 mi. State Trunk Line Rd. 29-7, 7,744 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Wisconsin—Oct. 13, by State Highway Comn., at Division 1, 149 East Wilson St., Madison, grading and surfacing 3.33 mi. Monroe-Belleville-Vernoa Rd., Federal Aid Project 379-A, Dane Co., 24,715 cu.yd. earth and 10,067 cu.yd. solid rock excav., 7,320 cu.yd. crushed stone, etc. J. T. Donaghey, acting state highway engr.

Kan., Atwood—Oct. 31, by Clerk Rawlins Co. grading, etc., 6.117 mi. Federal Aid Project 261-A, 405 cu.yd. concrete, 63,209 cu.yr. excav., 476 ft. 18 and 24 in. reincon. pipe, 4,300 guard rail and 33,237 lb. reinforcing. Kansas Eng. Co., 1233 Webster St., Topeka, engrs.

Kan., Ft. Scott—Nov. 6, by Clerk Bourbon Co., grading and bituminous macadam surfacing 7.165 mi. Federal Aid Project 270-A, 181,450 gal. bituminous, 72,580 sq.yd. bituminous macadam, 39,802 cu.yd. earth, 2,632 cu.yd. rock and 10,209 cu.yd. trench excav., 3,900 ft. hedge, 7,648 ft. guard rail, 7,092 cu.yd. channel change, 64,996 lb. reinforcing, etc.; 5.979 mi. Federal Aid Project 271-A, 58,566 sq.yd. bituminous macadam, 26,648 cu.yd. earth, 16,310 cu.yd. rock and 4,339 cu.yd. loose rock excav., 14,900 cu.yd. borrow, 3,607 lin.ft. hedge, 43,632 lb. reinforcing, 6,704 lin.ft. guard fence, etc. B. Boyle, co. engr. Noted Sept. 18.

Kan., Wichita—Oct. 13, by City Clerk, asphaltic concrete surfacing Wellington Pl., Spruce, Martinson and Topeka Sts., 11,370 sq.yd. paving, 3,530 cu.yd. excav., 3,959 ft. curb and gutter, etc.; sheet asphalt surfacing Wichita and Skinner Sts., 4,830 sq.yd. paving, 1,805 cu.yd. excav., 3,006 ft. curb and gutter, etc.; concrete surfacing Pratt, Martha, Central, 1st, Madison and Sycamore Sts., 19,344 sq.yd. paving, 5,282 cu.yd. excav., 8,911 ft. curb and gutter, etc. P. L. Brockway, City Hall, engr. Noted Sept. 11.

South Dakota — Oct. 14, by State Hy. Comn., Pierre, graveling, etc., 13,800 cu.yd.

Streets and Roads (Continued)

Federal Aid Project 105 A, Brown Co. F. D. Hudgins, engr.

Tex., Dickens—Oct. 21, by J. W. Alger, engr. Dickens Co., gravel surfacing 7.32 mi. and caliche surfacing 5.91 mi. Dickens-Motley Hy., 18 ft. $200,000. Noted Sept. 25.

Tex., Floresville—Oct. 24, by C. E. Sanford, engr. Wilson Co., surfacing and bridging 11 mi. Federal Projects 40-A, 440-B and 440-C. $260,000. Noted Sept. 4.

Tex., Wichita Falls—Oct. 27, by E. P. Walsh, aud. Wichita Co., grading, graveling and asphalt topping 7 mi. Clara-Wilbarger Rd. $35,000. J. M. Isbell, Court House, engr.

Calif., Huntington Park — City Trustees taking bids grading, asphaltic concrete paving, guttering, curbing, etc., Santa Fe, Seville, Walnut Aves., et al. To exceed $25,000. P. E. Kressly, 732 H. W. Hellman Bldg., Los Angeles, engr.

Calif., Los Angeles—Taking bids improving 90th St. and Owensmouth Ave., 7,490 cu.yd. excav., 1,986 cu.yd. fill, 215,390 sq.ft. concrete sidewalks, 5,067 sq.ft. guttering, 52,021 lin.ft. concrete curbing, 29,765 sq.ft. oil and roll. $62,000. J. W. Griffin, city engr.

Calif., Los Angeles—Oct. 20, by Supervs. Los Angeles Co., improving Figueroa St. entrance of Coliseum, 7,135 lin.ft. combination curbing and guttering, 17,268 cu.yd. excav., 73,696 sq.ft. 3½ in. and 123,670 sq.ft. 4½ in. concrete sidewalks, 14,335 sq.yd. shaping roadway. C. H. Jones, Hall of Records, engr.

Calif., Oakland—City Council taking bids improving Shattuck Ave., from Telegraph Ave. northerly, 199,872 sq.ft. grading, 11,371 lin.ft. concrete curbing with steel guard, 425 lin.ft. granite guttering reset, 12,263 sq.ft. concrete guttering, 186,540 sq.ft. 2 in. Warrenite on 6 in. concrete, etc. W. W. Harmon, city engr. Noted Sept. 18.

Calif., Santa Cruz—City Council taking bids improving Ocean St., 168,368 sq.ft. grading and 5 in. concrete paving, concrete sidewalks, sewers, etc. H. E. Godegast, city engr.

Calif., Santa Rosa—Supervs. Sonoma Co. taking bids constructing Sect. C, Santa Rosa-Guerneville Rd., 26,300 cu.yd. excav., etc. E. A. Peugh, co. surv. Noted Sept. 11.

BIDS RECEIVED

N. Y., New York—Granite block repaving West 3rd St. and West End Ave., from Asphalt Constr. Co., 208 Bway., $31,517 and $42,568 respectively; regulating and sheet asphalt paving East 111th St., from J. E. Gaffney, 50 East 42nd St., $30,970. Noted Sept. 25.

N. J., Jamesburg—Freeholders Middlesex Co., Sept. 25, concrete paving 8,300 sq.yd. Gatzmer Ave. from Upper Jamesburg station to Willow Grove Ave., from C. Sebolt, 16 Richmond St., New Brunswick, $30,911. Noted Sept. 18.

Pennsylvania — State Hy. Dept., Harrisburg, **(R. means Route and A. Application)** rein.-con. surfacing R. 214, A. 2981, Armstrong Co., from Cooper Constr. Co., Inc., Clymer, $68,297; R. 247, Allegheny Co., from A. G. Rothey, Elizabeth, $153,329; R. 268, A. 2932, Washington Co., from Petriello Bros., South Brownsville, $42,998; R. 212, Bradford and Tioga Counties, from J. C. Devine Co., Alliance, O., $453,035; R. 212, Bradford and Tioga Counties, from E. J. Bailey, Brocton, N. Y. $452,053; R. 46, Bedford Co., from W. C. Guncheon & Masonic Temple, Harrisburg, $275,802. Noted Sept. 11.

O., Akron—W. F. Peters, dir. Pub. Serv., Sept. 25, asphalt paving 10,400 sq.yd. parking strip on North Main St., from T. E. McShaffrey Constr. Co., 171 South Forge St., $30,160. Engrs. est. $29,120.

O., Wellsville—Brick paving Wells Ave. from Wells Run to corporation line, from G. B. Patterson, Wellsville, $27,064. Engrs. est. $35,000.

O., Wellsville — Improving Lisbon St. from Little Yellow Creek Bridge to Wells Run, from G. B. Patterson, Genl. Del., $25,231. Engrs. est. $30,000. Noted May 15.

Michigan—State Hy. Dept., Lansing, at office Bd. Comrs. Wayne Co., Detroit, grading and concrete surfacing 0.966 mi. State Trunk Line Rd. 53-18, from J. Porath, Detroit, $56,057; from Wayne Co. Rd. Comn., Detroit, $56,057.

Ill., Crystal Lake—Improving Dist. 1. 84,034 sq.yd. paving, 53,196 ft. curb and gutter, 41 manholes, 120 storm inlets, etc., from McCarthy Impvt. Co., 802 Kahl Bldg., asphalt $285,868, Warrenite $277,526, vibrolithic concrete $285,953. Noted Sept. 11.

Tex., Amarillo—Potter Co., surfacing 1.05 mi. State Highway 33, Federal Aid Project 421-A, 18 ft. (a) vitr. brick on concrete (b) rein.-con. (c) 2 in. Willite on 4 in. block, from Texas Willite Road Constr. Co., Box 1514, Houston, (a) $39,852 (b) $35,542; from Wilmering & Mieller, Amarillo, (c) $35,226. Noted Sept. 11.

Calif., Escondido—Improving Grand Ave., 322,728 sq.ft. 6 in. oil macadam, 29,897 sq.ft. 6 and 8 in. guttering, Lime St., approximately 83,348 sq.ft. 2 in. oil macadam, from Gilmore Co., Van Nuys Bldg., Los Angeles, $49,975.

Calif., San Rafael—Supervs. Marin Co., improving road between Manor and Whites Hill, 106,780 sq.ft. asphaltic concrete paving, from Pacific States Constr. Co., Call Bldg., San Francisco, $30,662. Noted Oct. 2.

Calif., Stockton — Supervs. San Joaquin Co., Sept. 22, improving 3.45 mi. Upper Sacramento Rd., from W. Moreing, Harris Bldg., $37,422. Noted Sept. 18.

CONTRACTS AWARDED

New Hampshire—State Hy. Comn., Concord, graveling 1.64 mi. highway in Durham, to Sweeney Motor Trucking & Contg. Co., Everett, Mass., 0.45 mi. in Newberry, to J. E. Ricci, 19 Elm St., Claremont, 0.64 mi. in New Durham and 0.85 mi. in Ossipee-Tamworth, to Peckham Road Corp., Canobie Lake. Noted Sept. 11.

New Hampshire—State Hy. Dept., Concord, graveling 0.76 mi. highway in Lancaster, to Long, Cross & Burnham, Greenfield, Mass.; one 56 ft. span, rein.-con. bridge and 1,600 ft. gravel approaches in Barnstead, to Ames Constr. Co., 89 Prospect St., Somersworth. Noted Sept. 18.

Vermont — State Highway Dept., State House, Montpelier, graveling 1.95 mi. highway in Swanton and Sheldon, to A. Thomas Constr. Co., Middleboro, Mass.; $41,732. Noted Oct. 2.

New York—State Dept. Pub. Wks., Albany, removing buildings, eliminating curves, etc., to Watervliet entrance of Congress St. Bridge to Troy, to P. J. Corbett & Co., Mohawk, $22,135.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, reconcreting where necessary various streets, to J. C. Dempsey, 516 Prospect Ave., $12,400; granite repaving Nevins St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $13,238; concrete paving roadway Crescent St., to C. Bennett Contg. Co., 414 Hamilton Ave., $13,238; granite repaving Bond St., and granite paving Dwight St., to Colgan & Colgan, 90 William St., New York, $15,838 and $300,425 respectively. Noted Sept. 25.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, asphalt paving Beverly Rd. to Cleveland Trinidad Co., Flushing, $13,395; asphalt repaving Clinton St. to Brooklyn Alcatraz Co., 407 Hamilton Ave. $15,103, Irving Ave. to Cranford Co., 52 9th St., $15,505, Putnam Ave. to Borough Asphalt Co., 1301 Metropolitan Ave., $17,748. Noted Sept. 11.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route)**, rein.-con. surfacing R. 86, Erie Co., to C. H. Fry Constr. Co., Erie, 43,301 sq.yd. rein.-con. $3.25 per sq.yd., 20,444 cu.yd. unclassified excav. $1.50, 2,590 cu.yd. borrow excav. $1.50, total $204,750; R. 65, Sect. 1-B, Venango Co., to Milliron Constr. Co., Inc., Du Bois, 14,875 sq.yd. rein.-con. $3.50, 7,937 sq.yd. rein.-con. $3.85, 30,928 cu.yd. unclassified excav. $1.10, total $148,102; R. 68 and 223, Indiana Co., to Rood Constr. Co., Butler, 3,800 cu.yd. rein.-con. $3.75, 1,982 cu.yd. unclassified excav. $1.50, total $19,979; R. 112, Greene Co., to E. E. Morris, Waynesburg, 20,374 sq.yd. rein.-con. $4.35, 14,108 cu.yd. unclassified excav. $2.15, total $134,829; R. 17, Bradford Co., to Horn & Devling, Athens, 51,801 sq.yd. rein.-con. $3.20, 36,539 sq.yd. unclassified excav. $1.60, total $274,979; R. 62, Indiana Co., to W. J. McMahon, Brookville, 6,500 sq.yd. rein.-con. $3.75, 839 cu.yd. unclassified excav. $1.75, 542 cu.yd. borrow $2, total $33,082. Noted July 10.

Pa., Phila.—Dept. Pub. Wks., grading Brill, Charles, Grange, 15th, Hunting Park and 18th Sts., to Dewees Bros., 5804 North Marshall St., $17,266, M, N, O and Pike Sts., to D. Daffin, 5101 Roosevelt Blvd., $6,223, Oxford St. (east side), to T. L. Flanagan, 531 East Girard St., $2,395; asphalt paving Day, Jasper, Limekiln, Luzerne, L, M, O, Westmoreland and 47th Sts., and vitr. block paving Smick St., to Union Paving Co., 300 Locust St., $78,562; asphalt paving Janney, Schiller, Sepviva, Tulip, and Weikel Sts., also asphalt repaving Emily, Fernon and Montrose Sts., to Eastern Paving Co., 401 Colonial Trust Bldg., $42,857; asphalt paving Larchwood, Ritner, Trinity, Windsor and 60th Sts., asphalt repaving Wister St., to Barber Asphalt Paving Co., 239 North 30th St., $109,046; asphalt paving Wagner St. and asphalt repaving Gordon St., to Mack Paving Co., Nicetown Land and Luzerne St., $21,327; improving Green Tree Rd., to M. J. McCrudder, 1134 Real Estate Trust Bldg., $3,585, Park Rd., to A. J. Henderson, 5807 Chew St., $2,912. Noted Oct. 2.

W. Va., Charleston—Kanawha Co. gravel surfacing 6 mi. Dunbar-Sattis Rd., Project 138, to Fayetteville Constr. Co., Fayetteville, $95,863.

W. Va., Princeton — Asphalt surfacing Bee and 6 other streets, to Mur Mun Co., Bluefield, $74,000.

Tenn., Brownsville—Rock asphalt surfacing various streets, to V. E. Shevenell Constr. Co., Memphis, $114,000. Engrs. est. $125,000. Noted Oct. 2.

Miss., Belonzi—Humphrey Co. grading and concrete surfacing 4.96 mi. Federal Aid Project 179-A, to S. A. Gano, Room 715 Maison Blanche Bldg., New Orleans, La., $113,756. Noted Sept. 4.

O., Canton—Asphalt paving Buckeye Pl. S. W., from Market Ave. S. W. to Cleveland Ave. S. W., to H. Corl Contg. Co., Genl. Del., $25,481. Engrs. est. $25,000.

O., Cleveland—Improving Carnegie Ave. from East 22nd to East 40th Sts., 3,050 lin. ft. stone curbing, 3,300 lin.ft. 4 in. drain tile gutter, 4,570 cu.yd. earth excav., 10,320 sq.yd. asphalt on concrete, to Bentley Bros., 3030 Euclid Ave., $50,633.

O., East Liverpool—Asphalt and stone asphalt paving 0.5 mi. Jefferson St., to Ohio Willite Paving Co., East Liverpool, $25,021. Engrs. est. $25,000.

O., Shaker Heights (Cleveland P. O.)—Paving and laying stone sidewalks on Tolland and Townley Rds., to Ohio Quarries Co., Union Trust Bldg., Cleveland, $21,110; slag paving Claythorne and Brantley Rds., to H. G. Herring, 316 The Arcade, Cleveland, $21,440.

Indiana—State Hy. Dept., Indianapolis, surface treating 1.5 mi. State Rd. 1, Jackson Co., 18 ft., to Hart & Hart, Sanborn, $28,777. Engrs. est. $31,267.

Michigan — State Hy. Dept., at office Comrs. St. Clair Co., Port Huron, grading and concrete paving 1.038 mi. State Trunk Line Rd. 27-22, 20 ft., to J. W. Baker & Sons, Port Huron, $27,947. Noted Sept. 25.

Ill., Kenilworth—Concrete paving various streets, to Western Impvt. Co., 840 9th St., Racine, Wis., $101,475. Engrs. est. $125,000. Noted Sept. 18.

Wis., Milwaukee — Vibrolithic concrete paving Greenbush St., Arctic and 14th Aves., to Czerwinski Constr. Co., 378 16th Ave., $2,061, $4,420 and $4,591 respectively, Island Ave., to Tallmadge-Hunt Constr. Co., 445 Milwaukee St., $12,422, Lake St., to S. and H. Constr. Co., 92 Mason St., $33,514; concrete sidewalks on Lisbon Ave. and West 24th St., to F. Schomann, 770 28th St., $1,125 and $1,038 respectively, North Ave. and Peace St., to P. Kucharski, 879 1st Ave., $553 and $348 respectively; concrete paving 2 alleys, to Parkinson Constr. Co., 322 27th St., $4,125, 3 alleys, to Bodeman Constr. Co., 691 48th St., $20,687.

Ia., Council Bluffs—For 22,000 ft. 5 ft. concrete sidewalks, to Nelson & Sons, Council Bluffs, Council Bluffs; 1,500 sq.yd. vibrolithic paving and 2.291 ft. curbing to E. E. Spartman, Council Bluffs; 16,800 ft. 5 ft. concrete sidewalks, to J. T. Waddingham, Spertman, & J. Langstrom, Council Bluffs. Noted Sept. 4.

Ia., Estherville — Emmett Co., grading and gravel surfacing 12 mi. Primary-Secondard Rds. 2, 4, 5 and 6, to Vandersheef and Vanderstowe, Hull, 2 portions $20,275, and Heldt & Boyle, Everly, portion $7,050.

Ia., Ft. Dodge—Improving Dists. 8, 9 and 10, 2,010 cu.yd. grading and 9,050 sq. yd. vibrolithic paving, from Horahin Paving Co., Ft. Dodge, at $2.03 sq.yd., 7,780 lin.ft. curb and gutter, to L. S. Wingert, Ft. Dodge, $0.69 per ft.

Ia., Mechanicsville—Improving 6,600 ft. Lincoln Highway, to P. P. Smith, 1600 Washington Ave., Cedar Rapids, $66,186. Noted Sept. 11.

Ia., Tipton — Cedar Co., grading, etc., 4.253 mi. primary roads near here, 123,518 cu.yd. grading, to J. H. Miller & Son, Blairsburg; bridge, to F. J. Smith, Tipton; piling and plank, to W. W. Saylor, Waverly; drainage, to L. M. Cisco, Mason City. Noted Sept. 11.

Minn., St. Cloud—Bitulithic paving 23,400 sq.yd. various streets, to Lawrence & McCann, Eveleth.

Minn., St. Paul—Asphaltic concrete on 5 in. concrete surfacing 10,565 sq.yd. Capitol

Streets and Roads (Continued)

Ave., to Thornton Bros. Co., 318 Endicott Bldg., $31,887. Noted Aug. 21.

Minn., Waseca—Plans paving, etc., 16 blocks various streets. $55,000. J. Madigan, city clk.

Kan., Erie—Erie Co. grading and gravel surfacing 6.952 mi. Erie St. and Paul Rd., 18 ft., Federal Aid Project 242-A, to Frye Bros., Iola, 48,528; 2 Luten arch type bridges, to Topeka Bridge & Constr. Co., Stormont Bldg., Topeka, $10,566. Noted Oct. 2.

Kan., Hays—Grading and 3 in. vertical fibre brick on 5 in. concrete paving 2,000 ft. Chestnut St., 32 and 40 ft., to H. J. Taylor Constr. Co., Belleville, Kan. Engrs. est. $31,682.

Kan., Leavenworth—Grading and brick on concrete paving 1.125 mi. 2nd Ave. and Limit St., to J. P. Collins, 403 North 5th St., $78,584.

Kan., Osborne—Osborne Co., grading and gravel surfacing 3.493 mi. Federal Aid Project 170-D, 18 ft., to Hall-Hardman Constr. Co., Alton, $33,764. Noted Sept. 4.

Kan., Pittsburg — Concrete paving Locust St. from Lindburg to Hudson Sts., Jefferson St. from Catalpa to Chestnut Sts., and Rose St. from Locust to Elm Sts., to DuBois & Co., Pittsburg, $11,233; West 3rd St. from Georgia St. to city limits, to Independent Constr. Co., Pittsburg, $12,730; alley from Bway. to Pine St., to Reed & Wheelock, Clay Center, $1,518.

Kan., Solomon — Grading, paving, etc., various streets, 12,400 sq.yd. vertical fibre brick, 8,266 cu.yd. earth and 25 cu.yd. rock excav., 179 ft. 4 and 6 in. mains, etc., to Cook & Ransom, Ottawa, $50,086. Engrs. est. $60,000.

Neb., Albion — J. H. McClintick, clk. Boone Co., grading, etc., 4.8 mi. Albion-Newman Grove Rd., Federal Aid Project 207-A, to Peterson, Gunth & Shelg, Omaha. Engrs. est. $25,000. Noted Sept. 18.

Neb., Grand Island—To Traill Paving Co., Grand Island, improving Dists. 62, 63 and 65, 5,464 sq.yd. sheet asphalt on concrete paving at $2.49 per sq.yd., 2,680 lin.ft. curbing and guttering $0.70, 1,480 cu.yd. grading $0.50, headers, etc.; to Chambers Constr. Co., Grand Island, 230 lin.ft. 10 in. sewers at $0.79 per ft., 300 lin.ft. 15 in. $1.28, 1,010 lin.ft. 18 in. $1.57, type A inlets $12 and manholes $45 each.

Neb., Lincoln — Concrete and asphaltic concrete paving District 576, to Abel Constr. Co., 318 Terminal Bldg., $26,057.

Neb., Lincoln—Grading, curbing and 6 in. concrete paving, etc., Dists. 537 and 541, to Abel onstr. Co., 318 Terminal Bldg., $29,287 and $5,712 respectively; Dist. 615, to Cochrane Constr. Co., 822 First Natl. Bank Bldg., $10,311.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)** grading and paving 1.37 mi. F. A. P. 153, Union Co., concrete, to Booth & Olson, 120 Virginia St., Sioux City, Ia., $13,084; 7.42 mi. F. A. P. 187 B, Chas. Mix. Co., to R. P. England, Murdo, $63,586. Noted Sept. 18.

Mo., Cape Girardeau — Grading, curbing and concrete paving Merriwether, Henderson and Frederick Sts., to F. W. Keller, Cape Girardeau, $34,769.

Mo., St. Joseph—Grading, curbing and paving 1 mi. Eleventh St., wire cut brick on concrete, to Land Constr. Co., Ballinger Bldg., $58,000.

Tex., Angleton—Brazoria Co., shell surfacing 7.85 mi. State Highway 19, Federal Aid Project 387, 18 ft., to L. J. Patton, 4730 Woodside St., Houston, $22,395. Noted Sept. 25.

Tex., Boston—Bowie Co., grading and gravel surfacing 5.3 mi. State Highway 8, Federal Aid Project 445-B, 16 ft., to Thompson & Reeder, New Boston, $36,563. Engrs. est. $46,060. Noted Oct. 2.

Tex., Crockett—Houston Co., reshaping and rein.-con. surfacing 6.9 mi. State Highway 21, Federal Aid Project 254-B, to Smith Bros., Inc., Amer. Exch. Bank Bldg., Dallas, $202,311. Engrs. est. $106,146. Noted Oct. 2.

Tex., La Grange—Fayette Co., grading, bridging and gravel surfacing 9.48 mi. State Highway 20, State Aid Project 532, to Tibbetts Constr. Co., Mineral Wells, $102,000. Noted Oct. 2.

Okla., Alva — Grading and paving 13 blocks 4th and 7th Sts., 14,530 sq.yd. concrete, 2,900 cu.yd. excav., 7,800 lin.ft. curb and gutter, to Schultz & Schultz, Anthony, Kan., $42,994. Engrs. est. $45,000. Noted June 19.

Okla., Muskogee — Improving 7 blocks Honor Heights Blvd., 5,700 sq.yd. concrete, 1,800 cu.yd. excav., to Standard Paving Co., 1733 East 3rd St., Tulsa, $28,180. Engrs. est. $30,000. Noted May 8.

Okla., Oklahoma City — Grading and paving 5 blocks 13th St., 5,000 sq.yd. asphalt, 2,800 lin.ft. curbing, 1,600 cu.yd. excav., to Western Paving Co., Tradesmens Bldg., $25,291. Engrs. est. $26,000.

Colo., Denver—To Gordon Constr. Co., Barclay Blk., concrete paving 12 blocks Alley Paving Dist. 117, $16,085, engrs. est. $25,000; 12 blocks Alley Paving Dist. 118, $24,230, engrs. est. $25,000; 12 blocks Alley Paving Dist. 119, $19,774, engrs. est. $25,000.

California — State Highway Comn., Sacramento, Sept. 22, grading 6.9 mi. Solano Co., Division X, Route 53, Section A, between Suisun and Denverton, to Leventon & Heintze, Sacramento, $18,552. Noted Sept. 11.

Calif., Fullerton—For 5 in. asphaltic concrete paving alleys in Blocks 8, 9, 16, 17, etc., to Griffith Co., Railway Bldg., Los Angeles, $0.21 per ft., total approximately $25,235.

Calif., Huntington Park—Guttering, curbing, sidewalks and asphaltic concrete paving Belgrave Ave., to Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, $20,007. Noted Sept. 18.

Calif., Los Angeles — Grading, guttering and Warrenite bitulithic concrete paving 2nd St., to G. R. Curtis Paving Co., 2440 East 26th St., $98,906; grading, curbing, sidewalks and ahphaltic concrete paving 84th St., to Griffith Co., Railway Bldg., $18,054; grading, curbing, sidewalks and paving Dillon St., to A. R. Hindman, 559 South St. Andrews St., $8,955; curbing, guttering and sidewalks, on 34th Ave., to W. D. McCray, 129 West 2nd St., $5,104; grading, curbing and remodeling oil surface, Carleton and Budau Aves., to C. W. Shafer, Los Angeles, $7,952 and $17,772 respectively.

Calif., Los Angeles — Paving, curbing, guttering, sidewalks, etc., on 31,426 ft. Pasadena Ave. and other streets, to Fry Bros. Qonstr. Co., 3325 East 2nd St., Long Beach, $95,217. Engrs. est. $140,181.

Calif., Los Angeles — Concrete paving 96th St., to G. H. Oswald 366 East 58th St., $33,956, engrs. est. $37,959; improving Dover St., to Barker & Kinsman, 632 H. W. Heilman Bldg., $24,311.

Calif., Los Angeles—Improving Ave. 50 between Range View and York Blvd., to Baker & Kinsman, 632 H. W. Hellman Bldg., $23,362. Engrs. est. $25,000.

Calif., Los Angeles — Los Angeles Co. improving Rds. Impvt. Dist. 179, 14,001 cu.yd. excav., 12,028 lin.ft. curbing, 55,562 sq.ft. sidewalks, guttering, etc., to C. E. West, 96 South Euclid Ave., Pasadena Ave., $39,863.

Calif., Los Angeles—Los Angeles Co. will construct Cahuenga Pass Rd., by county forces. Approximately $200,000.

Calif., Pomona—Sewers, curbs, gutters, 6 in. concrete pavement, etc. on Holt Ave., to Griffith Co., Railway Bldg., Los Angeles, approximately $47,250. Noted Sept. 4.

Calif., Riverside—Macadam paving 12.65 mi. Victoria, Van Buren and Dufferin Sts., et al., to Gibbons & Reed Co., 905 South Olive St., Los Angeles, $165,359. Noted Sept. 25.

Calif., Roseville — Improving Riverside Ave., etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $33,525. Noted Oct. 2.

Calif., San Anselmo—Improving various streets in Morningside Terrace, to Pacific States Constr. Co., Call Bldg., San Francisco, $90,445. Noted Oct. 2.

Calif., Santa Ana—Orange Co., concrete paving, curbing and guttering ½ mi. South Main St., to Basich Bros., 3788 South Vermont St., Los Angeles, $32,400.

Calif., Santa Monica—Concrete paving, curbing, sidewalks and sewers in Cambridge St., to Kneen Paving Co., Dudley Bldg., $79,707.

Ontario—Province of Ontario, Northern Development Branch, Parliament Bldg., Toronto, Ont., improving 3½ mi. macadam roadway from Coppercliffe to Creighton, 18 ft., to J. A. Laberge Co., Sudbury, Ont., $60,000.

Ont., Mount Forest—City Council, concrete paving Wellington St., to Brennan Constr. Co., 100 Melrose Ave., Hamilton, Ont. Engrs. est. $30,000.

Ont., North Bay—Paving ½ mi. road, 30 and 45 ft., bitulithic concrete on concrete, to Warren Bituminous Paving Co., 54 University Ave., Toronto, Ont. Engrs. est. $25,000.

Buildings—Industrial

PROPOSED WORK

N. H., Portsmouth—Plant—Portsmouth Gas Co., plans plant addition, Water St. $40,000. Engineer and architect not selected.

N. H., Portsmouth—Power House—Twin State Gas & Electric Co., 160 State St., Boston, Mass., plans power house, here. $40,000. Private plans.

Mass., Boston—Factory—Fuelite Natural Gas Co., Inc., 1441 Beacon St., F. Pope, pres., plans 1 story factory, garage and office building, brick. $50,000. Private plans.

Mass., Boston — Repair and Service Garage—M. B. Davis, 155 Main St., Brockton, having plans prepared by R. F. Jackson, 86 Main St., Brockton, 2 story, 100 x 140 ft., brick and concrete, Spring St. and Acushnet Ave., here. To exceed $75,000.

Mass., New Bedford—Repair and Service Garage—Brockton Public Market, Purchase St., having plans prepared by La Brode & Bullard, 88 Purchase St., 2 story, 105 x 130 ft., rein.-con., brick and stone, Spring and Purchase Sts. $80,000.

Mass., New Bedford—Repair and Service Garage—E. Caswell, 490 Pleasant St., having plans prepared by F. T. Hammond, 490 Pleasant St., 2 story, 125 x 149 ft., brick and rein.-con., Purchase St. To exceed $100,000.

Mass., Worcester—Plant—Cudahy Packing Co., Foster St., plans 2 story and basement, 80 x 90 ft. cold storage plant, rein.-con., brick and steel, Franklin St. Private plans.

R. I., Providence—Manufacturing—Exchange Realty Co., c/o W. R. Hunt, archt., 32 Westminster St., having plans prepared 3 story and basement, brick, Exchange St. To exceed $40,000.

Conn., Bridgeport—Factory—Berkshire Fertilizer Co., 92 Howard Ave., plans 2 story, 70 x 100 ft., brick and steel, Howard Ave. $50,000. Private plans.

Conn., Bristol—Factory—E. Ingram & Co., 392 North Main St., taking bids 2 story and basement, 65 x 200 ft., brick, plain foundation. $40,000. H. A. Hayden, 175 Main St., archt. Noted Sept. 4.

Conn., New London — Laundry—Pequot Steam Laundry, Inc., 71 Pequot Ave., plans rebuilding steam laundry, recently destroyed by fire. $50,000. Engineer and architect not selected.

N. Y., Hudson — Boiler House — See "Buildings-Commercial."

N. Y., Long Island City—Factory—Naples Macaroni Co., c/o C. Cannella, archts. and engrs., 1163 Herkimer St., Brooklyn, had plans prepared 3 story, rein.-con. and brick, plain foundation, 12th and Jackson Aves., here. $150,000.

N. Y., Long Island City—Plant—International Harvester Motor Co., Grand Central Terminal, New York, soon takes bids rein.-con., brick and steel, plain foundation, 13th and Hamilton Sts. $250,000. Private plans.

N. Y., New York—Power House—New York Edison Co., Irving Pl., having plans prepared by T. E. Murray, Inc., 55 Duane St., 1 story, 206 x 355 ft., rein.-con., steel and brick, plain foundation, 801-827 East 14th St. $3,500,000.

Pa., Morganza—Laundry—Penna Training School, W. F. Penn, supt., having plans prepared by F. McCrooks, 541 3rd Ave., Pittsburgh, 1 story and basement, 80 x 90 ft., brick and steel. $150,000.

Pa., Phila. — Factory — W. L. Charr, archt., 149 South 4th St., preparing plans 3 story and basement, 90 x 90 ft., brick and steel, plain foundation, 720-28 South 11th St. Owner's name withheld.

Pa., Pittsburgh—Bakery—P. H. Butler Co., 17th and Pike Sts., takes new bids in spring 5 story and basement bakery, $150,000. Former bids rejected. Hunting Davis Co., Century Bldg., archts.

O., Alliance—Plant—Alliance Clay Products Co., plans 2 story, brick plant. $200,000 or more. Noted Feb. 14.

O., Cleveland—Factory—Prompt Printing & Publishing Co., c/o G. T. Ezry, mgr., 2614 Detroit Ave., having plans prepared by J. Kalsch, 4500 Euclid Ave., 1 story, 52 x 164 ft., brick and steel, Detroit Ave. $50,000.

O., Cleveland—Factory and Warehouse—Sterling Brass Co., 9600 St. Catherine Ave., plans 1 story, brick and steel, St. Catherine Ave. $50,000. Engineer and architects' names withheld.

O., Cuyahoga Heights (Cleveland P. O.) —Factory—Angell Nail & Chaplet Co., 2657 East 79th St., Cleveland, plans brick and

Buildings—Industrial (Continued)

steel factory, East 71st St., here. Engineer and architect's name withheld.

O., Youngstown — Factory — Mahoning Paint & Oil Co., Jones St., plans 2 story, rein.-con. addition. $75,000.

Ind., Indianapolis—Factory—Nu-Grape Co., 1438 North Senate St., plans 3 story and basement, rein.-con. and brick, North Senate Ave. $75,000. Engineer and architect not selected.

Mich., Detroit — Factory — Jacoby's French Dry Cleaners, 10 Custer Ave., had plans prepared by Kohner & Seeler, 405 Kresage Bldg., 3 story and basement, 100 x 160 ft., brick and rein.-con., plain foundation, Piquette Ave. $100,000.

Wis., Kewaskum — Factory — Kewaskum Canning Co., c/o E. M. Romaine, plans 2 story, rein.-con., brick and steel canning factory. $40,000. Engineer and architect not selected.

Mo., Clinton—Plant—City having preliminary plans prepared by E. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas Citiy, power plant.

Mo., St. Joseph—Plant—Election Nov. 18, $300,000 bonds new city light plant. W. K. Seitz, city engr.

Mo., Springfield—Creamery—Greene Co. Farmer's Assn. making preliminary plans 2 story and basement, rein.-con. and brick plant. $250,000. Private plans.

Tex., Panhandle — Refinery — J. W. Wrather, Amarillo, plans oil refinery, here. $150,000.

Tex., Waco—Mill—Miller Mfg. Co., having plans prepared 2 story and basement, plant addition. $1,000,000. C. R. Miller, 906 Jackson St., Dallas, pres.

BIDS DESIRED

Mass., Boston—Manufacturing—Bristol Street Realty Co., c/o J. Fineberg, 81 Bristol St., taking bids 4 story and basement, 65 x 180 ft., brick and steel, Harrison Ave., and Bristol St. $100,000. Private plans.

Pa., Forest Hills (near Pittsburgh) — Furniture—Oct. 13, by C. Wright, Ardmore Blvd., 1 and 2 story and basement, 102 x 102 ft., rein.-con., steel and brick, $150,000.

Wis., Racine—Factory—J. M. Matson, archt., Baker Blk., taking bids 2 story, 42 x 84 ft., brick and timber addition, plain foundation, 18th St., for Wisconsin Incubator Co., 18th and Holborn Sts. $40,000.

Wis., Sparta—Cannery—Sparta Canning Co., c/o L. R. Moore, Sparta, taking bids 2 story, 64 x 300 ft., brick and timber, plain foundation. $100,000. Private plans.

Minn., Cokato—Oct. 15, by Northland Canning Co., C. Illstrup, secy., 2 story, 50 x 200 ft., rein.-con. and brick factory. $50,000.

Ore., Portland — Factory — Nov. 1, by Sutton & Whitney, archts., Lewis Bldg., 4 story and basement, 75 x 200 ft., rein.-con., plain foundation, Savier and 24th Sts., for Oregon Casket Co., 101 North 5th St. $150,000.

Calif., Los Angeles—Laundry—Oct. 20, by Supervs. Los Angeles Co., c/o L. E. Lampton, clk., 1 story, 60 x 120 ft., rein.-con. and steel laundry.

Calif., San Francisco—Factory—J. P. Shaffer, archt., 987 Mission St., taking bids 1 story, fireproof, Folsom and 8th Sts., for Diamond Patent Show Case Co., 1625 Mission St. $45,000. Noted Sept. 18.

CONTRACTS AWARDED

Mass., Brockton — Repair and Service Garage—A. Grindin, 1 and 2 story, rein.-con. and brick, Crescent St., to G. Howard & Son, 196 Main St. Archts. est. $45,000.

Mass., Cambridge (Boston P. O.) — Manufacturing—Acme Apparatus Co., 37 Osbourne St., 1 and 3 story, 25 x 65 ft., and 35 x 45 ft., brick, Osbourne St., to C. D. Hall, 689 Massachusetts Ave. Archts. est. $40,000.

Mass., Lowell — Manufacturing — C. F. Hatch, 8 Church St., 4 story and basement, brick, Dutton St., to D. H. Walker Co., 529 Dutton St. Archts. est. $40,000.

Mass., Milford—Factory—Archer Rubber Co., 4 story, 65 x 84 ft., rein.-con. and brick addition, Central St., to Turner Constr. Co., 178 Tremont St., Boston.

R. I., Providence—Factory—Cicone Cast Stone Co., Northup Ave., will build 1 story, 20 x 50 x 100 ft., steel and cement block addition, crane run, Northup St., by day labor. A. J. Frappier, 312 Strand Bldg., archt.

R. I., Providence—Manufacturing—J. Pollack, 356 Niagara St., will build 2 story, 65 x 70 ft., brick and timber, Chestnut and Bassett Sts., by day labor. $40,000. A. J. Frappier, 312 Strand Bldg., archt.

R. I., Providence—Laundry—What Cheer Laundry Co., Cranston and Burgess Sts., 2 story and basement, 81 x 109 ft., brick and concrete addition, plain foundation to C. I. Bigney Constr. Co., 184 Washington St. Archts. est. $40,000.

N. Y., Albany—Shop—New York Central R.R., Albany, 2 story, 50 x 217 ft. brick and steel shop, plain foundation, West Albany R.R. yards, to H. B. Cummings Constr. Co., Ware, Mass., $98,500.

N. J., Newark — Factory — Auto-Strap Safety Razor Co., 59 Lock St., 3 story, rein.-con., brick and steel, plain foundation, Frelinghuysen Ave., to Thompson & Binger, 103 Park Ave., New York City. Engrs. est. $150,000.

Pa., Pittsburgh — Plant — D. L. Clark Candy Co., North Side, general contract 5 story and basement, 120 x 150 ft. addition, Martinsdale St., to D. T. Riffle, 1006 Forbes St. Engrs. est. $150,000.

Pa., Shippingsport — Plant — Duquesne Light Co., 435 6th St., Pittsburgh, power plant, here, to D. P. Robinson Co., 1300 Penn Ave., Pittsburgh. Engrs. est. $23,000,000.

Ala., Bessemer—Plant—Hercules Powder Co., Amer. Trust Bldg., Birmingham, several 1 and 2 story, concrete, brick and steel buildings, on outskirts of city, to Bessemer Eng. & Constr. Co., Bessemer, $500,000.

O., Cleveland—Bakery and Shipping—Laub Baking Co., c/o J. Laub, pres., 4919 Lorain Ave., 2 story and basement, 60 x 125 ft., brick, steel and concrete, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $60,000. Noted Sept. 4.

O., Cleveland — Sales Service and Repair Shop—Barnes Motor Co., 1938 East 21st St., 2 story and basement, 100 x 135 ft., brick, steel and concrete, Wire Ave., to Drummond-Miller Co., 7500 Euclid Ave. Archts. est. $150,000.

Wis., Madison — Power Plant — Madison Gas & Electric Co., 100 North Fairchild St., for brick and steel work on 2 story, 50 x 90 ft. power plant, plain foundation, Main St., to F. H. Findorff, 601 West Wilson St. Archts. est. $40,000. Noted Aug. 28.

Wis., Marinette—Machine Room—M. & M. Paper Co., Marinette, 1 story and basement, 42 x 280 ft., concrete and steel, machine room, plain foundation, to C. R. Meyer & Sons, 50 State St., Oshkosh. Archts. est. $60,000. Noted Aug. 28.

Wis., Milwaukee — Dairy — Herbst & Kuenzli, archts., 130 Grand Ave., 1 story and basement, 120 x 122 ft., brick and concrete, plain foundation, 30th St., to S. Czaplewski, 878 2nd Ave., for J. H. Lambrecht, 2601 North Ave. Archts. est. $60,000. Noted Sept. 11.

Wis., Milwaukee—Factory—Kozy Komfort Shoes Co., 161 Center St., 1 story and basement, 57 x 120 ft., brick and timber, plain foundation, Richards St., to Bentley Bros., 808 South Pierce St. Archts. est. $40,000.

Wis., Milwaukee — Shop — G. J. Meyer Mfg. Co., 576 Clinton St., 1 story, 80 x 100 ft., brick and timber addition, plain foundation, Clinton St., to C. B. Danielson, 185-35th St. Archts. est. $400,000.

Ia., Hawarden—Plant—City, c/o F. A. Gefke, city clk., electric light and power plant, oil engine, switchboard, etc., to Commonwealth Electric Co., 417 Bway., $69,000; building, to J. A. Berner, Hawarden, $10,587.

Kan., Kansas City—Mill—Rosedale Milling Co., general contract 6 story and basement, 48 x 80 ft. mill, to Reyburn Eng. & Constr. Co., 609 Waldheim Bldg., Kansas City, Mo. Archts. est. $100,000.

Neb., Lincoln—Dairy—Roberts Sanitary Dairy Co., 12th St. near M St., 1 and 2 story and basement, rein.-con. and brick, 12th St., general contract, to Olson Constr. Co., 205 Chapin Bldg. Archts. est. $75,000.

Mo., Kansas City—Factory—Black-Sivalls & Bryson, Inc., Bartlesville, Okla., 1 story, 180 x 386 x 488 ft., brick and steel, Blue River Industrial Dist., to Kansas City Structural Steel Co., 21st St. and Metropolitan Ave. Engrs. est. $85,000.

Mo., St. Louis — Auto Repair, etc. — Riefling Auto Co., 2331 South Jefferson St., will build 2 story and basement, 75 x 120 ft., rein.-con., brick and stone, South Jefferson Ave., by day laboor, under supervision E. J. Hess, archt., 3228 Magnolia Ave. $75,000.

Mo., St. Louis—Factory—Natl. Biscuit Co., 7th St. and Cass Ave., 1 story, 70 x 127 ft., brick and concrete addition, etc., to Wimmer Constr. Co., Victoria Bldg. Archts. est. $50,000.

Mo., St. Joseph — Laundry — Nuway Laundry Co., 1512 St. Joseph Ave., 2 story, 54 x 80 ft., concrete and brick laundry, also 1 story, 40 x 54 ft. garage, to C. P. Norris, 1220 South 11th St. Archts. est. $40,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—Bank—Boston Five Cents Saving Bank, 32 School St., postponed construction 10 story, basement and sub-basement, 80 x 130 ft., rein.-con. and steel, 24-32 School St. $1,000,000. Densmore, LeClear & Robbins, Park Sq. Bldg., engrs. Parker, Thomas & Rice, 177 State St., archts. Noted Aug. 14.

Mass., Boston — Garage—Syndicate c/o Southerland & Southerland, archts., 77 Summer St., plans 4 story and basement, about 5,500 ft. floor space, rein.-con., Back Bay Dist. $160,000.

Mass., Boston — Mercantile — Mayflower Trust Co., c/o Parker, Thomas & Rice, archts., 177 State St., having plans prepared altering present 2 story building and constructing 3 story and basement, 75 x 125 ft. addition, 352 Boylston St. To exceed $150,000.

Mass., Boston—Theatre—Jewett Theatre, c/o J. W. Beal Sons Co., archts., 62 Summer St., having sketches made, theatre. $150,000.

Mass., Fall River—School—Dept. Pub. Buildings, having plans prepared by H. Fallows, archt., 56 North Main St., and R. C. Sturgis, 120 Boylston St., Boston, associated archt., 2 story and basement, brick and stone, Columbia St. $150,000.

Mass., Haverhill—Convent and Rectory—St. Josephs Roman Catholic Church, having plans prepared by M. Sullivan, 100 Boylston St., Boston, 3 story and basement, 50 x 90 ft., brick and limestone, Blaisdeel St. and Bellevue Ave. $150,000.

Mass., Lynn—Home—Lynn Eagles, P. Quirk, in charge, having plans prepared by P. Varney, 25 Exchange St., 4 story and basement, 120 x 160 ft., brick and stone, Union St., $160,000.

Mass., Marlboro—High School—School Com. having plans prepared by W. B. Colleary, 80 Boylston St., Boston, 2 story, brick and steel high school. $150,000.

Mass., Marlboro — School — City having plans prepared by W. B. Colleary, 80 Boylston St., Boston, 2 story and basement, 90 x 135 ft., brick, stone and steel, Pleasant St. Dist. $200,000.

Mass., Newburyport—High School—City, plans high school. $200,000. McLoughlin & Buurr, 88 Tremont St., Boston, archts.

Mass., Somerville—Lodge—Amer. Legion, Post 19, P. Laurent, Ad., plans legion building, 124 Highland Ave. $150,000. J. P. Heffernan, 8 Barton St., Boston, archt.

Mass., South Boston (Boston P. O.)—Nurses Home—Carney Hospital, South Boston, having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, 5 story and basement, 42 x 122 ft., rein.-con., brick and stone addition to hospital, hospital grounds, Old Harbor St. and Thomas Park, here. $250,000.

Mass., Springfield—Mausoleum—Owner, c/o Olmstead Bros., landscape archts., Brookline, plans 800 crypt mausoleum, Hillcrest Park Cemetery, here. $60,000.

Mass., Worcester—Apartment—Katz & Leavitt, State Mutual Bldg., having plans prepared by McFarland & Laurie, archts. and engrs., 162 Newbury St., Boston, 5 story and basement, 50 x 75 ft., brick and stone, Pleasant and Linden Sts. $150,000.

Mass., Worcester—Library and Assembly Hall—Holy Cross College, having sketches made by Maginnis & Walsh, 100 Boylston St., Boston, 2 story and basement, stone, on college grounds. $200,000.

Mass., Worcester—Store and Apartment—J. Finelli, 1 Lyon St., having plans prepared by H. L. Mecham, 571 Main St., 3 story and basement, 60 x 100 ft., and 50 x 60 ft., brick, Shewsbury St. $150,000.

R. I., Newport—Dormitory—St. Georges School, plans fireproof dormitory. $200,000. Clarke & Howe, Turks Head Bldg., Providence, archts.

R. I., Providence — Clubhouse — Providence Boys Club, 226 South Main St., plans clubhouse, Atwood St. $150,000. Engineer and architect not selected.

R. I., Providence — Temple — Masonic Temple, c/o Jackson, Robertson & Adams, engrs, 1216 Turks Head Bldg., having plans prepared by Osgood & Osgood, Detroit, Mich., temple, Francis St. $2,000,000.

Buildings—Commercial (Continued)

Pa., Phila.—Apartment—P. Beam, 605 Market St., having plans prepared by Lippincott & Schaif, 11 South 16th St., 3 story and basement, 100 x 260 ft., brick and steel. $300,000.

Conn., Stamford — High School — Bd. Educ., W. E. Stark, supt. schools, plans high school. To exceed $150,000. Engineer and architect not selected.

N. Y., Brooklyn—Community—First Congregation of Kensington, c/o S. L. Malkind & M. N. Weinstein, archts., 105 Court St., having plans prepared 3 story, brick, steel and stone, plain foundation, Ocean Parkway. $500,000.

N. Y., Buffalo—Hotel—T. J. Croty, 95 Main St., plans 10 story, 42 x 100 ft., rein.-con., brick and steel, Main St. $500,000.

N. Y., Buffalo—Office—J. N. Byers, 700 Main St., plans 4 story, 140 x 150 ft., rein.-con., brick and steel, Niagara and Franklin Sts., $300,000.

N. Y., New York—Apartment and Hotel—P. Melrowitz, c/o Sommerfield & Steckler, archts. and engrs., 31 Union Sq., soon takes bids 12 story, brick and stone, plain foundation, 317 West 78th St. $2,000,000.

N. Y., New York—Bank and Hotel—Waldorf-Astoria Hotel, 34th St. and 5th Ave., having preliminary plans prepared by McKim, Mead & White, 101 Park Ave., exterior alterations to present brick, steel and stone building. $250,000.

N. Y., New York—Hospital—Presbyterian Hospital, mgrs., Madison Ave. and 70th St., plans to build hospital Bway. and 168th St. $10,000,000. Owner's name withheld. Engineer and architect not selected.

N. J., Roselle—High School—Bd. Educ. having revised plans prepared by Rasmussen & Wayland, 36 West 47th St., New York City, 3 story, brick, steel and stone, plain foundation. $300,000.

Pa., Johnstown—Warehouse—Johnstown Terminal Warehouse Co., having plans prepared by W. Steele Sons Co., 1600 Arch St., Phila., 5 story and basement, 133 x 242 ft., rein.-con. and brick, Maple Ave. $600,000.

Pa., Pittsburgh—High School—Bd. Educ., Fulton Bldg., having plans prepared by E. Stotz, Monongahela Bank Bldg., Senior High School, 3 story and basement, 5th Ave. $550,000.

Pa., Pittsburgh—Hotel—L. Noffak, 2140 Wightman St., having plans prepared by W. W. Williams, 309 4th Ave., 2 story and basement, 125 x 142 ft., Munhall Rd. $300,000.

Pa., Tyrone — High School — Tyrone School Dist., W. W. Eisenhart, supt., Lincoln Ave. and 13th St., plans 3 story and basement, 100 x 110 ft. high school, to contain gymnasium and vocational shops. Plans to float $300,000 bond issue for same. Architect and engineer not selected.

Pa., Washington — Bank — Washington Trust Co., having plans prepared by W. L. Stoddart, 50 East 41st St., New York City, 100 x 100 ft. top addition. $150,000.

Md., Roland Park (Sta. Baltimore) — Seminary—St. Mary's Seminary, Paca and Dd. Hl. Aves., Baltimore, having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 3 story and basement, rein.-con., brick and stone, here. $500,000.

D. C., Wash. — School — Lewis Hotel Training School, 1340 New York Ave., having plans prepared by G. T. Santmyer, 1415 K St. N. W., school at Washington Circle and Pennsylvania Ave. $150,000.

Ala., Birmingham — Office — Alabama Power Co., B. M. Bldg., having plans prepared by Warren, Knight & Davis, Empire Bldg., 12 story, 62 x 140 ft., steel and concrete, 6th Ave. and 18th St., $1,000,000. Noted May 8.

O., Cleveland — Administration — Bd. Educ., F. G. Hogen, dir., plans during 1927, 3 or 4 story, brick, steel and concrete, East 65th St. and Rockwell Ave. $3,871,000. W. R. McCornack, Sixth-St. Clair Bldg., archt.

O., Cleveland—Apartment—C. Kupersmith & M. Skolnik, 9232 Adams Ave., having plans prepared by L. Skolnik, Sixth-St. Clair Bldg., 3 story and basement, 68 x 90 ft., brick and timber, West 33rd St. and Archwood Ave., $150,000.

O., Cleveland—Bank and Office—Union Trust Co., G. D. McGwinn, vice-pres., Union Trust Bldg., having plans prepared by Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., 3 story and basement, concrete, brick and steel, East 55th St. and Woodland Ave. To exceed $150,000.

O., Cleveland—School—Bd. Educ., East 6th St. and St. Clair Ave., plans during 1927, 2 story and basement, brick, steel and concrete school to relieve congestion at Lafayette School. $301,100. W. R. McCornack, Sixth-St. Clair Bldg., archt.

O., Cleveland—Schools—Bd. Educ., F. G. Hogen, dir., plans during 1928 2 story and basement, West Park Dist., $482,300; 2 story and basement, southwest section, $301,000; also 2 story and basement addition to Corlett School, East 131st St. and Corlett Ave., $327,000. all brick, steel and concrete. W. R. McCornack, Sixth-St. Clair Bldg., archt.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., plans during 1927, 2 story and basement, brick, steel and concrete, Memphis Ave. $482,300. W. R. McCornack, Sixth-St. Clair Bldg., archt.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., having plans prepared by W. R. McCornack, Sixth-St. Clair Bldg., 2 story and basement, brick, steel and concrete, West Park Dist. $482,300.

O., Cleveland Heights (Warrensville P. O.)—Schools—Election Nov. 4, 2 story and basement, brick, steel and concrete Canterbury Rd., $235,850; also Junior High School, 2 story and basement, brick, steel and concrete, Roxboro Rd., $477,000. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt.

O., Cleveland Heights (Warrensville P. O.)—Schools—Election Nov. 4 $138,330 bonds addition to Boulevard Elementary School, $50,000 bonds addition to Coventry School, $12,190 bonds new Quilliams School, $84,270 bonds addition to Taylor School, and $60,000 bonds addition to Fairfax School. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt.

O., Cleveland Heights (Warrensville P. O.)—School—Election Nov. 4, $192,920 bonds for 2 story and basement, rein.-con., brick and steel addition, Noble Rd. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt.

O., Dayton—Mercantile and Garage—G. W. Mearick, 2nd and Main Sts., plans 2 story and basement, 100 x 198 ft., rein.-con. and brick, plain foundation, 24 West 2nd St. $250,000. Engineer and architect not selected.

O., Mansfield — Store, Temple and Theatre—Knights of Pythias, having plans prepared by F. W. Bail, 1152 Hanna Bldg., Cleveland, 4 story, 90 x 180 ft., brick, steel and concrete. $200,000.

O., Vermillion—High School—Bd. Educ. plans 3 story high school. $200,000.

O., Warren—High School—Bd. Educ. plans high school. $735,000. L. O. Wurbenberger, dir. schools. Noted Oct. 2.

Mich., Detroit — Chapel and Rectory — Roman Catholic Archdiocese of Detroit, having preliminary plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 2 and 3 story, brick and stone, Lucerne and Wellesley Rds. $250,000.

Wis., Milwaukee — Apartment — Wales Apartment Building Co., c/o A. L. Seidenschwartz, archt., 290 3rd St., had plans prepared 3 story and basement, 52 x 132 ft., brick and tile, plain foundation, 12th St. $150,000.

Wis., Milwaukee—Apartment—Westside Apartment Co., c/o E. G. Schroeder Co., archts., 405 Bway., having plans prepared 3 story and basement, 47 x 100 ft., brick and tile, plain foundation, west side. $150,000.

Wis., Milwaukee — Club House — Blue Mound Country Club, G. F. Gregg, secy., 437 East Water St., having preliminary plans prepared by Kirchoff & Rose, 210 Sycamore St., 2 story, brick and tile, plain foundation, Burleigh Rd. $150,000.

Wis., Racine—School—Bd. Educ., A. H. Schaefer, secy., plans 2 story and basement, brick and tile addition to 2 schools, plain foundations, Fratt and Knapp Sts. $150,000. Engineer and architect not selected.

Wis., Stoughton — Hospital — Stoughton Hospital Assn., c/o A. Toay, doctor, having plans prepared by Claude & Starck, Badger Annex, Madison, 2 story, 45 x 168 ft., rein.-con., brick and steel, plain foundation.

Ia., Creston — High School — Defeated $275,000 bonds for new high school. Plans to resubmit soon. Noted Oct. 2.

Mo., St. Louis — Commercial — Local Syndicate, c/o G. Sokol, archt., 7069 Pershing Ave., making preliminary plans 10 story and basement, 135 x 150 ft., rein.-con. and brick, Washington and 13th Sts. $1,000,000.

Mo., St. Louis—Store, etc.—Stock-Peterman Furniture Co., 3719 North 14th St., having preliminary plans prepared 4 story and basement, 75 x 120 ft., rein.-con. and brick store and warehouse, Union St. at Natural Bridge Ave. $175,000. Private plans.

Mo., Springfield — Hospital — Burge Deaconess Hospital, 1323 North Jefferson Ave., takes bids in December, 3 story and basement, rein.-con., brick and stone, North Jefferson St. $200,000. E. Hawkins & Co., McDaniel Bldg., archts.

Mo., Springfield—School—Bd. Educ., A. R. Stewart, secy., voted $150,000 bonds Junior High School, etc. Engineer and architect not selected. Noted Sept. 11.

Tex., Dallas—Apartment—Mid West Eng. Co., Slaughter Bldg., soon takes bids 7 story and basement, Maple Ave. $700,000. Private plans.

Tex., Denton—Library—E. V. White, dean College of Industrial Arts, plans library, vocational, educational, dormitory and hospital buildings, also refrigerating plant. $200,000. Engineer and architect not announced.

Tex., El Paso — Office — Lehmann & Wuehrmann, archts., 505 Two Republics Bldg., preparing plans 3 story and basement, 71 x 120 ft., rein.con. and brick, $155,000. Owner's name withheld.

Tex., El Paso — Vocational School — Bd. Educ., J. A. McBroom, pres., Two Republics Bldg., having plans prepared by Trost & Trost, Two Republics Bldg., 2 story and basement, rein.-con., brick and stone. $170,000.

Tex., Greenville—Office—O. V. Beckham plans rebuilding 5 story and basement, 100 x 100 ft. office building, Kink Blk., recently destroyed by fire. $160,000. Engineer and architect not announced.

Tex., Houston — Auditorium — Election Nov. 29, $250,000 bonds repairing and remodeling auditorium.

Tex., Houston—City Hall—Making plans remodeling and constructing additions to auditorium. $250,000. J. B. Hause, chn. comn. Engineer and architect not announced.

Tex., Houston—Warehouse, etc.—Southern Pacific R. R., Southern Pacific Bldg., making plans and soon takes bids warehouse and wharves, on Ship Channel, to handle Morgan S. Ship Co. freight. $1,000,000. Private plans.

Tex., San Antonio—High School—Bd. Educ. had plans prepared by Phelps & DeWees, Gunter Bldg., and soon takes bids Junior High School, 1 an 2 story, 80 x 240 ft., rein.-con., brick and stone, plain foundation, Yorkshire and Birkshire Sts. $150,000.

Tex., Waco—Dormitory—Baylor University of Waco, S. P. Brooks, pres., making plans girls dormitory. $350,000. Baptist Women of Texas to finance project. F. S. Davis, 1904 Ross Ave., Dallas, chn. Finance Comn. Engineer and architect not announced.

Okla., McAlester—Hotel—Busby Hotel Co., 2nd and Grand Sts., plans rebuilding hotel, recently destroyed by fire. $300,000. Engineer and architect not announced.

Okla., Oklahoma City—Office—J. H. Wright, Patterson Bldg., plans 6 story and basement, 50 x 140 ft., brick, plain foundation, Hudson St. $175,000. Engineer and architect not selected.

Okla., Sapulpa—Temple, Masonic—Masonic Lodge having plans prepared by C. A. Popkin, Sapulpa, 3 story and basement, 50 x 150 ft., rein.-con. and brick, plain foundation, Creek St. $150,000.

Wash., Tacoma—School—Bd. Educ. having plans prepared by Hill & Mock, Perkins Bldg., for Morton McCarver intermediate school, South 21st and J Sts. $260,000.

Ore., Portland — Cathedral — Jacoberger & Smith, archts., Portland, take bids about Jan. 1, 116 x 187 ft. cathedral about 200 ft. high, 17-18 Court and Davis Sts. $200,000. Owner's name withheld.

Calif., Alameda — School — Bd. Educ. rejected bids Sept. 16, high school. $150,000. Noted Sept. 18.

Calif., Glendale—Theatre, Apartment and Officer—J. A. Menard, c/o J. B. Brown Co., archts., 219½ East Bway., having plans prepared 2 story, 150 x 220 ft., Class A construction, Stocker and Central Aves.

Calif., Glendale — Theatre and Store — M. G. Khodigian, et al, 1022 East Colorado St., plans 2 story and basement 75 x 86 ft. theatre and store building, Adams Ave. and Colorado Blvd.

Calif., Hayward — High School — Hayward Union High School Dist., plans new election $280,000 bonds high school. Previous election defeated. Noted June 19.

Buildings—Commercial (Continued)

Calif., Hollywood—Hotel, Apartment, etc. —Business Development Co., 229 Merchants Natl. Bank Bldg., having plans prepared by C. F. Whittlesen, 6533 Hollywood Blvd., 6 story, 100 x 140 ft., rein.-con., plain foundation. $300,000.

Calif., Hollywood — Theatre — C. E. Taberman, 1761 North Harvard St., Los Angeles, having plans prepared by Meyer & Haller, engrs. and archts., 2 story, 250 x 420 ft., Hollywood Blvd. between Orchard and Orange Sts. $1,500,000.

Calif., Long Beach—Store and Office—Dedrick & Bobbe, archts. and engrs., 214 Laughlin Bldg., preparing plans and takes bids about Oct. 15, 12 story, 50 x 161 ft., rein.-con., Ocean Blvd. and Pine Ave., for J. R. Mason & T. F. Merrick, Long Beach, $750,000.

Calif., Los Angeles — Apartment — F. Seward, archt., 3869 West 6th St., soon lets contract 4 story, 95 x 143 ft., timber, brick and stone, plain foundation, 5th and Bonnie Brae Sts., for N. Jaeffe, c/o architect. $250,000.

Calif., Los Angeles—Club House—Exposition Park Swimming & Dancing Club, had preliminary plans prepared 2 story, 120 x 138 ft., steel and concrete, Hoover St. and Santa Barbara Ave. $150,000. Engr. Serv. Co., 1316 Washington Bldg., engrs.

Calif., Los Angeles—Church—St. James Episcopal Church, c/o B. G. McDougall, archt., 383 Sacramento St., San Francisco, plans rein.-con. church, Wilshire Blvd., here, $150,000.

Calif., Los Angeles—Garage—Miller & Gilbert, 407 Merritt Bldg., plans 9 story and basement, 100 x 125 ft., rein.-con., 6th and Carondelet Sts.

Calif., Los Angeles—High School—Bd. Educ. having plans prepared by Jeffery & Schaefer, 1104 Kerchoff Bldg., group buildings, 2 story brick and timber, plain foundation 54th St. $360,000.

Calif., Los Angeles—High School—Bd. Educ. having plans prepared by Webber, Staunton & Spaulding, 1017 Hibernian Bldg., 1 story, 60 x 100 ft., gymnasium addition, 2 story ceramics building, and 3 story science building, North Bway. $270,000.

Calif., Los Angeles—Library—City having revised plans prepared by C. M. Winslow, Van Nuys Bldg., for Central Library, 5th St. and Grand Ave. Former contract rescinded. Noted Sept. 11.

Calif., Los Angeles—Theatre and Store —G. Carpenter, c/o J. M. Kunst, 511 Cotton Exch. Bldg., making plans 2 story and basement, 50 x 160 ft., rein.-con., South Main St.

Calif., Los Angeles—Theatre, Office, etc. —West Coast Theatres, Knickerbocker Bldg., making plans rein.-con. theatre, office and apartment building, Manchester Ave. $150,000. Private plans.

Calif., Los Angeles — Warehouse and Shop—City plans warehouse and shops. $500,000. Eng. Dept. of Municipal Power Bureau, 207 South Bway., engrs.

Calif., Los Angeles — Warehouse — Guardian Warehouse Co., 803 Sun Bldg., plans fireproof warehouse. $150,000 or more.

Calif., Mountain View—Store, Office and Theatre—A. A. Cantin, archt., 68 Post St., San Francisco, prepared plans 2 story, rein.-con., store, office and theatre building, here. Owner's name withheld.

Calif., Pasadena—Warehouse—Guardian Warehouse Co., 803 Sun Bldg., Los Angeles, plans fireproof warehouse. $150,000 or more.

Calif., San Bernardino—Court House—San Bernardino Co. defeated $850,000 bonds constructing court house. Noted May 22.

Calif., San Diego—Warehouse—Guardian Warehouse Co. 803 Sun Bldg., Los Angeles, plans fireproof warehouse. $150,000 or more.

Calif., San Diego — Warehouse — Voted $225,000 bonds constructing warehouse and other equipment on Municipal Pier 2. F. A. Rhodes, city engr.

Calif., San Francisco—Apartment—C. E. Carlson, 180 Jessie St., having plans prepared 4 story and basement, rein.-con., O'Farrell and Larkin Sts., $150,000. Private plans.

Calif., San Francisco—Apartment—C. E. Carlson, 180 Jessie St., having plans prepared 4 story and basement, rein.-con., O'Farrell and Larkin Sts., $150,000. Private plans.

Calif., San Francisco—Hotel—C. V. Sachs, c/o S. Heiman; archt., 57 Post St., having preliminary plans prepared 8 story and basement, steel and concrete, 17th Ave. and Geary St. $500,000.

Calif., San Francisco—Stage Terminal—Pickwick Stage Corp., C. F. Wren, pres., 17 Powell St., making plans approximately 8 story, Class A construction, 5th and Mission Sts. To exceed $150,000.

Calif., San Francisco—Theatre—Marian Realty Co., 1171 Market St., having plans prepared by Rousseau & Rousseau, 1171 Market St., 2 story and basement, rein.-con., Market St. near 8th St. $150,000.

Calif., Watts (Los Angeles P. O.) — Mausoleum—Paradise Mausoleum Co., c/o J. H. Globe Co., archts., 640½ Sunset Blvd., Los Angeles, having preliminary plans prepared main unit 225 x 280 ft., with two 60 x 158 ft. units, rein.-con. To exceed $150,000.

Que., Quebec — Hospital — Hospital de l'Enfant Jesus, having plans prepared by Tanguay & Chenevert, Quebec, 5 story, 38 x 146 ft. with two 22 x 30 ft., one 29 x 30 ft. one 12 x 30 ft. and one 8 x 20 ft. wings, brick and stone. $300,000.

Que., Roberval—School—Dames Urselines plans school. $200,000. Engineers and architects names withheld.

Que., Three Rivers — School — Catholic School Comrs., plans brick school, St. Paul St. $200,000. Asselin & Denoncourt, Three Rivers, archts.

Que., Valleyfield—Chapel—Seminary of Valleyfield had plans prepared by R. Belanger, Valleyfield, 1½ story chapel. $150,000. A. Sabourin, pres.

BIDS DESIRED

Me., Gorham — High School — School Comn., taking bids 2 story and basement, 70 x 100 ft., brick. $150,000. Bunker and Savage, Augusta Trust Bldg., Augusta, archt. Noted Sept. 4.

Mass., Boston — Police Headquarters — Oct. 15, by Dept. Pub. Buildings, 7 story, basement and sub-basement, 100 x 140 ft., brick and stone, Stuart, Berkley and Stanhope Sts. $700,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., archts. Noted May 8.

Mass., East Boston (Boston P. O.) — School—Oct. 14 (extended date), by School House Dept., Boston, 3 story and basement, 160 x 225 ft., rein.-con. and brick, White St., here. $1,300,000. J. M. Gray Co., 175 High St., Boston, archts. Noted Sept. 25.

Mass., Lawrence—Bank, Store and Office—Treat Hardware Co., 485 Essex St., taking bids 3 story and basement, 55 x 170 ft., brick and stone, Bway. and Essex St. $150,000. J. E. Allen, 283 Essex St., archt.

R. I., Warwick—High School—School Building Comn., taking bids 2 story, 150 x 235 ft., brick, Sand and Buttonwood Sts. $295,000. H. S. Slocum, 511 Westminster St., archt. Noted Sept. 25.

Conn., Bridgeport—Library—Library Bd., c/o H. A. Bishop, 987 Main St., taking bids 3 story and basement, 75 x 225 ft., brick and limestone Gilbert, State and Broad Sts. $400,000. F. J. Dixon, Liberty Bldg., archt. C. S. Palmer, 114 Whitney Ave., New Haven, associated archt. Noted July 24.

Conn., Wallingford—Oct. 15, by J. F. Kelly, archt., 39 Center St., New Haven, 2 story and basement, 64 x 200 ft. brick and steel, Cook Hill, for Gaylord Sanitarium, Cook Hill. $175,000. Noted Oct. 2.

New York—Armories—Oct. 14, by Adjutant General, 100 State St., Albany, new tin roof on 10th Infantry Armory in Albany; hot water mains at 106th Artillery and roof repairs to 174th Regiment Armory in Buffalo; new wood floors in armory at Medina; masonry repairs and repairs to work shop and new dock at Rochester; new tin roof at Schenectady; and new roof in White Plains. $435,000.

N. Y., Hudson—Warehouse—C. A. Van Duesen Co., taking bids 5 story and basement, 95 x 132 ft., warehouse, and 1 story 30 x 50 ft. boiler house. $250,000. Monks & Johnson, 99 Chauncey St., Boston, Mass., engrs. and archts.

N. Y., White Plains—School—Oct. 20, by Bd. Educ., R. E. Dougherty, pres., Grande St., brick, steel and stone addition, plain foundation, Eastover Ave. Starrett & Van Vleck, 8 West 40th St., New York City, archts.

N. J., Irvington—School—Oct. 24, by Bd. Educ. of Essex Co. Vocational Schools, 475 High St., Newark, vocational school on University Pl. between Myrtle and Columbia Aves., here. Guilbert & Betelle, Chamber of Commerce Bldg., Newark, archts.

Pa., Johnstown — Garage, etc. — H. E. Haffley Co., Agts. for Gulf Refining Co., taking bids two 1 story and basement, 40 x 60 ft., brick, one at Franklin St. and Southmont Ave. and other at Central Ave.

O., Cleveland—Commercial and Garage—P. Matzinger, archt., Hunkin-Conkey Bldg., taking bids 1 story and basement, 200 ft. front, brick and steel, Broadview Rd. and Searsdale Ave., for G. Zellers, Jr., 1771 East 12th St. $150,000. Noted Oct. 2.

O., Cleveland—Store and Commercial—Syndicate, c/o L. Abrams, Engineers Bldg., taking bids altering 2 and 5 story and basement, brick and steel, 615-23 Prospect Ave., $150,000. S. H. White, Schofield Bldg., archt.

O., Sharonville—School—Oct. 14, by Bd. Educ. Sharonville Village School Dist., at office of S. E. Williamson, clk. Hamilton Co. (Cincinnati), new school, here. J. C. Grunkemeyer, 3717 Eastern Ave., Cincinnati, archt.

Mich., Detroit—Church—Oct. 15, by Van Leyen Schilling, Keough & Reynolds, archts., 2440 Cass Ave., 2 story and basement, 106 x 109 ft., brick and steel, plain foundation, Townsend Ave., for St. Thomas Parish, 7585 St. Thomas Ave. $300,000.

Mich., Royal Oak—School—Oct. 14, by A. Wood, archt., 3513 Woodward Ave., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, for Royal Oak School Dist. 8. $150,000.

Mich., Wakefield—High School—Oct. 11, by Bd. Educ., A. Matthews, secy., 3 story and basement, brick and tile, plain foundation. $200,000. N. A. Nelson, Ironwood, archt. Noted June 5.

Tex., Corsicana—Bank—C. D. Hill & Co., archts., Central Bank Bldg., Dallas, taking bids 8 story and basement, 50 x 95 ft., Beaton and Collins Sts., for State Natl. Bank. $300,000.

Calif., Alameda—School—Oct. 21, by Bd. Educ., high school. To exceed $150,000. Former bids rejected. C. Werner, Santa Fe Bldg., San Francisco, engr. Noted Sept. 18.

Calif., Los Angeles—Garage and Office—R. D. King, archt., Van Nuys Bldg., taking bids 3 and 5 story and basement, 150 x 180 ft., rein.-con., Sycamore and Hollywood Blvds., for H. P. Rehbein, 7038½ Hollywood Blvd. $300,000-$500,000. Noted Aug. 21.

BIDS RECEIVED

Mass., Waltham—School—School Comn., general contract 2 story and basement, 36 x 136 ft., with 85 x 85 ft. wing, brick, Lake View Dist., from Archdeacon & Sullivan, 5 East Concord St., Boston, $97,500. Noted Aug. 14.

Md., Baltimore—School and Gymnasium —Bd. Awards, 3 story and basement, 54 x 115 ft., brick addition to school and gymnasium, plain foundation, Pimlico Rd. and Thorndale Ave., from J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $265,517.

Ia., Iowa City — Memorial — Memorial Union Com., c/o R. H. Fitzgerald, 509 Oakland Ave., general contract (1st unit), 3 story and basemen,t 166 x 234 ft., rein.-con., brick and stone, from Devereaux-Olson Constr. Co., 716 11th Ave., S.. Minneapolis, $148,661. Four similar units erected later. Noted Oct. 2.

Kan., Winfield — College — St. Johns Lueran College, general contract 3 story and basement, 133 x 140 ft., native stone and rein.-con., from Blaser-Vollmer Constr. Co., Ft. Scott, $139,000. Noted Jan. 3.

Calif., Oakland—Church—First Congregational Church, Class A construction, 26th and Harrison Sts., from Clinton Constr. Co., 923 Folsom St., San Francisco, $289,960. Noted Sept. 25.

Calif., Santa Ana—Hospital—Santa Ana Valley Hospital Assn., Spurgoon Bldg., 3 story and basement, rein.-con., from Daniels & Farris, 818 North Hilliston Ave., Pasadena, $145,500. Noted Aug. 28.

CONTRACTS AWARDED

Me., Bucksport — Seminary — Eastern Maine Conference Seminary, 3 story and basement, 50 x 95 ft., brick, plain foundation, to W. E. Bragdon, Dexter. Archts. eset. $150,000.

Vt., Brattleboro—School—City, general contract 2 story, 100 x 124 ft., brick and stone, Green St., to H. Wales Lines Co., State St., Meriden, Conn., $120,000.

Mass., Boston—Garage—W. Clayton, 11 Beacon St., will build 2 story and basement, 20,000 sq.ft. floor space, brick and stone, 5-15 Madison Ct., by day labor. $200,000. Silverman, Brown & Heenan, 51 Cornhill St., archts.

Buildings—Commercial (Continued)

Mass., Boston — Office — Number One State Street Trust, c/o M. Shoolman, 333 Washington St., 14 story and basement, 58 x 80 ft., rein.-con. and limestone, to Olympic Constr. Co., 333 Washington St.

Mass., Medford — High School — City, Junior High School, 2 story and basement, 85 x 223 ft. and 42 x 63 ft., rein.-con., brick and steel, Auburn St., Ward 6, to Duncan Constr. Co., 31 Exchange St., Lynn. Noted Sept. 11. This corrects report in Sept. 25 issue.

Mass., Monson—High School—City, J. Burgess, chn. Building Com., 2 story and basement, 100 x 135 ft., brick, to E. J. Pinney, Inc., 374 Main St., Springfield. Archts. est. $200,000. Noted Sept. 18.

Mass., Pittsfield — Hospital — House of Mercy, c/o Harding & Seaver, 7 North St., 3 story and basement, 40 x 120 ft., and 35 x 40 ft., brick addition, to D. H. Pike, 30 Eagle St. Archts. est. $150,000.

Mass., Springfield — Dormitory — Amer. International College, 1 Ameron St., 3 story and basement, 35 x 160 ft., brick, Ameron St., to W. A. Newton & Co., Mill River Lane. Archts. est. $200,000.

Mass., Springfield—School—School Bd., 2 story and basement, brick and steel, Hancock St., to G. G. Roy & Son, Silver St., $235,388. Noted Sept. 11.

Mass., Wakefield—High School—Superintendent Schools, 2 story, brick addition, Franklin St., to J. W. Duff, Inc., 146 Summer St., Boston. Archts. est. $150,000. Noted Aug. 21.

Conn., Enfield — School—Town Comn., 2 story high school, to A. E. Stephens Co., 145 State St., Springfield, $244,444.

N. Y., Brooklyn — Apartment — Ocean Albemarle Corp., c/o Shampan & Shampan, archts. and engrs. 189 Montague St., will build 6 story, 84 x 210 ft., brick, steel and stone, plain foundation, Ocean Ave. and Albermarle Rd., by day labor. $700,000.

CONTRACTS AWARDED

N. Y., Brooklyn—Apartment—K. P. H. Realty Co., c/o Cohn Bros., archts., 363 Stone Ave., will build 6 story, brick, steel and stone, plain foundation, Eastern Parkway, by day labor. $325,000.

N. Y., New York—Apartment—A. A. Campagna, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 15 story, brick, steel and stone, plain foundation, West 94th St., by day labor. $850,000.

N. Y., New York—Apartment—C. K. and W. P. Building Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, 90 x 140 ft., brick, steel and stone, plain foundation, 180th St. and Arthur Ave., by day labor. $200,000.

N. Y., New York — Hotel and Club — Masonic Club Building, Inc., 135 Bway., 24 story, brick, steel and stone, plain foundation, 130 West 49th St., to Stevens & Wood, Inc., 120 Bway. $2,000,000.

N. Y., New York—Office—Murray Hill Office Building Corp., 270 Madison Ave., I. Harby, pres., 26 story office building, Madison Ave. and 40th St., to Harby, Abrons & Melins, Inc., 270 Madison Ave. archts. est. $6,000,000.

N. Y., New York—Warehouse—Topping Bros., Varick and Van Dam Sts., 3 story, 100 x 125 ft., brick and steel top addition, to White Constr. Co., Inc., 95 Madison Ave. Archts. est. $150,000.

N. Y., Yonkers—Apartments—L. H. G. Holding & Constr. Co., c/o W. I. Hohauser, engr. and archt., 1400 Bway., New York City, will build two 6 story, brick, steel and stone, plain foundations, South Bway., by day labor. $400,000 each.

Pa., Apolla — Church — First Lutheran Church, general contract 2 story and basement, church, to E. Z. Peffer, 747 Hill Ave., Wilkinsburg. Archts. est. $150,000.

Pa., Johnstown—High School—Johnstown School Dist., 601 Swank Bldg., general contract Central High School, 3 story and basement, 250 x 300 ft., Somerset St., to Berkebile Bros., Swank Bldg., $878,795; heating and ventilating, to Stanton-Barnhart Plumbing & Heating Co., 322 Franklin St., $94,500. Noted Sept. 25.

Pa., New Castle — Church — St. Marys Roman Catholic Church, general contract 1 story and basement, 65 x 150 ft., to N. Miller, Massillon, O. Archts. est. $200,000. Noted May 15.

Pa., New Kensington — School — Bd. Educ., general contract 2 story and basement addition, to A. Conradis, Martin Bldg., Pittsburgh. Archts. est. $150,000. Noted June 5.

Pa., Phila.—Athletic Club—Rittenhouse Sq. Corp., 12 story, brick, steel and stone, plain foundation, 18th and Locust Sts., to Thompson-Starrett Co., 49 Wall St., New York City. Archts. est. $3,000,000.

D. C., Wash.—Apartment—E. K. Fox, 1313 H St. N. W., apartment, 21st St. and Penn Ave. N. W., to Boyle Robertson Constr. Co., 1420 New York Ave., $1,000,000. Contractor takes bids on separate contracts.

La., Shreveport—H. R. Howell, genl. secy. Y.M.C.A., Giddens Lane Bldg., 6 story and basement, rein.-con., brick and stone, Travis and McNeil Sts., to Glassell-Wilson Co., Shreveport, $268,320.

Ky., Bowling Green — School — Bd. Trustees Western Kentucky State Normal School, 3 story, brick and stone, 15th and State Sts., to Raymond Contr. Co., Bowling Green, $194,284. Noted Sept. 18.

O., Cleveland Heights (Warrensville P. O.)—Apartment—Cliffside Manor Co., c/o S. H. White, archt., 1032 Schofield Bldg., Cleveland, 3 story and basement, 101 x 153 ft., brick and steel, Overlook and Kenilworth Rds., here, to Tater & Arons, 1004 Linn Dr., Cleveland. Archts. est. $200,000.

Mich., Detroit—Apartment—Amer. Bond & Mortgage Co., 1247 Griswold St. 18 story and basement, rein.-con., brick and steel, plain foundation, East Jefferson Ave., to Walbridge & Aldinger, 2356 Penobscot Bldg., $2,000,000.

Wis., Madison—High School—Bd. Educ., c/o W. H. Pickford, clk., 22 West Dayton St., 4 story, rein.-con., brick and steel addition, Washington St., to Immel Constr. Co., Dana Bldg., Fond du Lac, $234,483. Noted Aug. 28.

Wis., Milwaukee—Apartment—Randco Corp., two 3 story, 56 x 125 ft., brick and tile, plain foundations, 581 Cramer St., and 370 Bellview Pl., to R. L. Riesinger & Co., 464 Oakland Ave. Archts. est. $150,000 each.

Wis., Milwaukee—Apartment—G. Zagel & Bro., archts., 144 Oneida St., 3 story, 107 x 142 ft., brick and tile, plain foundation, Newport Ave., to W. T. Buchholz Co., 1081 Sherman Blvd., for L. Goldman, 540 Mitchell St. Archts. est. $150,000. Noted Sept. 11.

Wis., Neenah — Warehouse — Kimberly-Clark Co., 3 story and basement, 52 x 144 ft., brick and concrete, plain foundation, to C. R. Meyer & Sons, 50 State St., Oshkosh. Archts. est. $150,000.

Ia., Sioux City — School — Bd. Educ., H. C. Roberts, secy., general contract 3 story and basement, 176 x 296 ft., rein.-con., brick, tile and stone, 10th and Iowa Sts., to Riesche & Sanborn, 514 Jackson St., about $300,000.

Neb., Lincoln—Theatre and Office—Capitol Enterprises Inc., 503 Davidson Bldg., Kansas City, Mo., 2 story and basement, 75 x 150 ft., brick, rein.-con., terra cotta and steel, general contract, to W. J. Assenmacher, P. O. Box 1264. Archts. est. $250,000. Noted Aug. 14.

Tex., Dallas — Church — East Dallas Christian Congregation, Peak and Junius Sts., 2 story and basement, 100 x 105 ft., to Inge Constr. Co., Swiss and Hawkins Sts. $300,000 cost plus percentage basis.

Colo., Denver — High School — School Dist. 1, general contract 2 and 3 story with tower, 314 x 500 ft., rein.-con. and steel, plain foundation, Crowell Blvd. between West 18th and 19th Aves., to Brown & Schrefferman, Interstate Trust Bldg., $600,000. Noted Sept. 4.

Calif., Aptos — Clubhouse, etc. — Shore Acres Country Club, to Brown Constr. Co., Madera, clubhouse $350,000, 1st unit of golf links $75,000, dam across mouth Aptos Creek $60,000, 10 six room residences and bachelors quarters $75,000, swimming tank $20,000.

Calif., Glendale — Mausoleum — L. C. Davis, c/o Grand View Cemetery, Grand View Ave., 2 story, 90 x 1,060 ft., rein.-con., Grand View Cemetery, to C. E. Bryan, 699 East Walnut St., Pasadena, $400,000. Noted Aug. 28.

Calif., Los Angeles—Club—Elks Club, rein.-con. clubhouse, Parkview and West 6th Sts., to Scofield Engr. Constr. Co., Pacific Finance Bldg., $1,500,000.

Calif., Los Angeles—Hotel—C. Danziger & Assn., Security Bldg., 12 story, 100 x 150 ft., concrete and tile, plain foundation, Vine St., to H. M. Baruch, 444 I. W. Hellman Bldg., $486,000.

Calif., Oakland—Apartment—Sommarstrom & Claussen, 1536 Franklin St., 4 story and basement, brick, Monticeto Ave., to Sommarstrom Bros., 1536 Franklin St., $155,000.

Calif., Pasadena—Office—Dodd & Richardson, Brach Shops Bldg., 8 story, 75 x 100 ft. office building, Southwest Herkimer and Madison Aves., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., Los Angeles, $300,000.

Calif., Pasadena — Theatre — Pasadena Community Playhouse Assn., rein.-con. theatre, on El Molino St., to Winter Constr. Co., Railway Bldg., Los Angeles, $155,000.

Calif., San Bernardino — Office and Theatre—F. C. Platt, office and theatre building Class A construction, to G. Herz Co., 8th and E Sts., $179,950.

Calif., San Francisco—Apartment—F. W. Bottendorf, c/o A. G. Headman, archt., 74 New Montgomery St., archt., will build 5 story and basement, rein.-con., O'Farrell St., by day labor. $150,000.

Calif., San Francisco—Home—Bd. Pub. Wks., group of buildings for relief home for City and San Francisco Co., general contract, to Clinton Constr. Co., 523 Folsom St., $1,410,000; electric work, to M. E. Ryan, 621 8th Ave., $55,390; plumbing and mechanical equipment, to F. W. Snook, 536 Clay St., $116,964 and $135,554 respectively. Noted Aug. 28.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Derrick Boat Equipment—U. S. Engineer Dept. plans to purchase two 10 x 12, three drum engines $6,000, two 60 hp. Scotch boilers $4,000, and two 8 x 10 swinging engines, $2,000.

BIDS DESIRED

Pa., Phila.—Dredging—Oct. 24, at U. S. Engineers Office, War Dept., Wash., D. C., dredging 800,000 cu.yd. material in Delaware River, lower Philadelphia Harbor, here.

Del., Wilmington—Dredging—Oct. 10, at U. S. Engineers Office, War Dept., Wash., D. C., dredging 25,000 cu.yd. material in Missipillion and Murderkill River, here.

D. C., Wash.—Tunnel—Nov. 4, by U. S. Engineer Office, 250 Old Land Office Bldg., tunnel for second high service of water supply; adv. E. N.-R. Oct. 9.

Va., Norfolk—Dredging—Nov. 8, by U. S. Engineer Office, Norfolk, dredging in Elizabeth River, here; adv. E. N.-R. Oct. 9.

Ga., Douglas — Post Office — Oct. 29, by Treasury Dept., at office J. A. Wetmore, acting supervising archt., Wash., D. C., 1½ story, 54 x 57 ft., brick and tile post office, here.; adv. E. N.-R. Oct. 9.

Minn., St. Cloud—Fire Alarm System—Oct. 14, by U. S. Veterans Bureau, Wash., D. C., fire alarm system at Hospital 101, here.

Montana—Roads—Oct. 15, by C. H. Purcell, dist. engr. Bureau Pub. Rds., U. S. Dept., Agriculture, 607 Smead-Simons Bldg., Missoula, improving 7.5 mi. Olney-Fortine (Radnor Stryker Sect.) Natl. Forest Rd. in Lincoln and Flathead Counties.

Mo., Excelsior Springs—Garage, etc.—Oct. 30, by U. S. Veterans Bureau, Wash., D. C., garage and storehouse, here.

Tex., Abilene—Post Office, etc.—Oct. 30, by Treasury Dept., at office J. A. Wetmore, acting supervising archt., Wash., D. C., remodeling and enlarging, 1 story, 26 x 52 ft., post office and court house here; adv. E. N.-R. Oct. 9.

Tex., Galveston—Stone—Oct. 22, at U. S. Engineers Office, War Dept., Wash., D. C., furnishing and placing 43,000 tons stone in repairing north jetty, Galveston Harbor, here.

N. M., Ft. Bayard—Radio Equipment—Oct. 15, by U. S. Veterans Bureau, Wash., D. C., radio equipment, here.

N. M., Ft. Bayard—Reservoir—Oct. 21, by U. S. Veterans Bureau, Wash., D. C., concrete reservoir, here.

Utah, Vernal—Post Office—Nov. 3, by Treas. Dept. at office Supervising Archts., Wash., D. C., 2 story, 57 x 83 ft. post office, here; adv. E. N.-R. Oct. 9.

Ariz., Tuba City—Plant—Oct. 22, by C. H. Burk, comr. Dept. Interior, at office Indian Affairs, Wash., D. C., camp school plant, Western Navajo Agency, here.

California — Road — Oct. 20, by Bureau Pub. Rds., San Francisco, improving 4.6 mi. San Marcos Pass Natl. Forest Rd.

Calif., Livermore—Automatic Telephone System, etc.—Oct. 21, by U. S. Veterans Bureau, Wash., D. C., wiring and cables for automatic telephone also fire alarm system, here.

BIDS RECEIVED

Mass., Rutland — Sand Filter — U. S. Engineer, Arlington Bldg., Wash., D. C., complete sand filter at U. S. Veterans' Hospital 89, here, from Cunningham Constr. Corp., Box 854, Newport News, Va., $28,693.

Federal Government Work (Continued)

D. C., Wash.—Power Plant—Dept. Interior, Wash., D. C., Sept. 25, altering and building addition to power plant at St. Elizabeths Hospital, from B. M. Welamb Co., 135 North 22nd St., Phila., Pa., $243,000. Noted Sept. 18.

Ky., Louisville—Metal Work—U. S. Engineers Office, P. O. Box 72, Sept. 25, metal work for Chanoine Weir, Dam 49, Ohio River, Lot A, anchor beams, tripping bars, horse boxes, from Independent Bridge Co., May Bldg., Pittsburgh, Pa., $5,980; Lot B, wicket irons, and Lot C, horses and props, from Amer. Car & Fdry. Co., Jeffersonville, Ind., $3,109 and $11,280 respectively; Lot D, hurters, from Owensboro Fdry. Co., Owensboro, Ky., $1,200. Noted Aug. 28.

Ind., North Vernon—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here, from Dunlap & Co., Inc., 5th and Jackson Sts., Columbus, $43,720, alternate (1) $3,000, (12 months). Noted Sept. 4.

Calif., Mare Island—Ward—Spec. 4979—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 1, Psychopathic Ward, here, from Larsen Siegrist Co., Inc., 914 Claus Spreckels Bldg., San Francisco, (1) $98,861 (2) add $181 (3) add $91,669 (4) add $308. Noted Sept. 11.

H. T., Pearl Harbor—Water Discharge Loop—Spec. 5001—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 1, circulating water discharge loop, here, from E. J. Lord, McCandless Bldg., Honolulu, (1) $47,363 (2) $6,000 (3) $1,400 (4) $25. Noted Aug. 14.

CONTRACTS AWARDED

Ala., Florence — Pine Flooring — P. G. Samuel, ch. Supply Div., 125,000 ft. Southern yellow pine flooring, kiln dried, No. 1 common, flat grained, tongue and groove, center matched, 1 x 4 in. x 12, 14 and 16 ft. lengths, to C. G. Hull Lumber Co., Laurel, Miss., $5,125.

Mo., Kansas City—Retard—U. S. Engineers Office, War Dept., Wash., D. C., retard installation at Labaddie, to Woods Bros. Constr. Co., Lincoln, Nebr., $27,000.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., 435,000 cu.yd. earthwork in Sny Island D.D. of Illinois, to LaCross Dredging Co., Plymouth Bldg., Minneapolis, Minn., $0.18 per cu.yd. Noted Oct. 2.

Calif., San Diego—Hospital—Spec. 5009 Bureau Yards & Docks, Navy Dept., Wash., D. C., extending nurses quarters, here, to R. E. Campbell, 302 East Anaheim St., Long Beach, $108,280, (240 days). Noted Oct. 2.

Unclassified

PROPOSED WORK

Playground—Melrose Highlands (Boston P. O.), **Mass.**—City of Melrose plans reconstructing Messenger Meadow Playground, Theodore Roosevelt School, here. $25,000.

Playground—Neponset (Atlantic P. O.), **Mass.**—Park Dept., 33 Beacon St., Boston, plans improving Garvey Playground, here. $31,000. J. B. Shea, chn.

Coal Pocket—Salem, Mass.—H. Kaplan, 36 Webb St., plans elevated coal pocket, capacity 750 tons. $50,000.

Dock Wall—Buffalo, N. Y.—Making plans 900 lin.ft. concrete dock wall on timber cribs, foot of Ferry St. To exceed $175,000. C. E. P. Babcock, Municipal Bldg., engr.

Freight Shed—New York, N. Y.—M. Cosgrove, comr. Docks, foot Battery Pl., North River, rejected bids Sept. 23, new freight shed on pier at foot of Roosevelt St., East River Contr. 1809. Will readvertise. Noted Oct. 2.

Athletic Field—Cleveland, O.—Bd. Educ., F. G. Hogen, dir., plans athletic field, concrete stands, etc., East 55th St. and Scovill Ave. $315,000. W. R. McCornack, Sixth-St. Clair Bldg., archts.

Ornamental Street Lighting—West Bend, Wis.—C. P. Heipp, city clk., plans ornamental street lighting system, incl. concrete posts, cable, etc., in down town district. C. H. Shepard, 53 West Jackson Blvd., Chicago, engr.

Subway—Wichita, Kan.—Union Terminal R. R. Co. had preliminary surveys made and plans completed excavating and cutting tunnel through tracks, removing buildings and constructing subway. $150,000. P. L. Brockway, City Bldg., engr.

Pipeline—Texas—A. B. Wharton, genl. mgr. Waggoner Refining Co., Electra, soon takes bids 20 mi. pipeline from Oil Dist. of Wilbarger Co. (Vernon), to Electra. $100,000.

Swimming Pool—Ft. Worth, Tex.—W. D. Batchelor, supt. Dept. Recreation, soon takes bids swimming pool in Marine Park or Sycamore Park. $40,000. D. L. Lewis, city engr.

Gas Holder—Houston, Tex.—Houston Gas & Fuel Co., Clay and Van Buren Sts., plans gas holder, 100 ft. high, 130 ft. diameter. $95,000.

Wharves—Houston, Tex.—See "Buildings—Commercial."

Street Lights—Durant, Okla.—See "Waterworks."

Street Lighting System—Oakland, Calif.—Making plans approximately 260 standards on portions of Telegraph Ave., Washington St., etc., $200,000. W. W. Harmon, city engr.

Fire and Police Alarm Systems—Venice, Calif.—Plans election $125,000 bonds for fire and police alarm systems.

Street Lighting System—Venice, Calif.—Plans election $50,000 bonds for street lighting system.

Electric Light System—Harrow, Ont.—Colchester South Twp., plans hydro-electric system. $35,000. J. H. Madill, twp. clk.

BIDS DESIRED

Subway Repair—New York, N. Y.—Oct. 17, by Transportation Bd., 49 Lafayette St., grouting leaks in Bway.-4th Ave. Rapid Transit R.R. at Lexington Ave. and 60th St., Agreement "DM." Former bids rejected. Noted Sept. 18

Borings—Jersey City, N. J.—Oct. 20, by State Hy. Dept., Trenton, 2,500 ft. borings, etc., performed in vicinity of approach to Hudson River Vehicular Tunnel, for State Hy. Route 1 extension, here, Hudson Co. A. L. Grover, secy.; adv. E. N.-R. Oct. 9.

Street Lamp Fixtures and Maintenance—Baltimore, Md.—Oct. 15, by Bd. Awards, gas street lamp fixtures and maintenance. W. A. Parr, City Hall, supt. of lamps and lighting.

Grade Separation — Detroit Mich.—Oct. 14, by Bd. Comrs. Wayne Co., 1103 Real Estate Exch. Bldg., grade separation at Division Rd. and Detroit & Ironton R. R., incl. pumphouse, well, etc., 65,800 cu.yd. excav., 43,300 ft. piling, etc.

BIDS RECEIVED

Asphalt Plant — Brooklyn, N. Y. — E. Riegelmann, boro pres., Boro Hall, general construction municipal asphalt plant at Hamilton Ave. and 14th St., from Lever Constr. Co., 132 West 43rd St., New York, $238,350; mechanical equipment, from Warren Bros. Co., 50 Church St., New York, $181,383.

Heating and Ventilating—Baltimore, Md.—Mayor and City Council, heating and ventilating in school and gymnasium addition, Pimlico Rd. and Thorndale Ave., from Enterprise Steam & Hot Water Heating Co., 619 West Franklin St., $54,756. Noted Oct. 2.

Fire Walls—New Orleans, La.—Bd. Port Comrs., 200 Court House Bldg., constructing concrete fire walls at Robin and Orange Sts., from H. N. Moody, 815 Perdido St., $32,450; 1st and 3rd Sts., from H. Monk, c/o owner, $14,450.

Street Lighting System—Los Angeles, Calif.—Street lighting system on Main St., from J. C. Perry, 3570 Percy St., $46,250, also on Grand Ave., from Newberry Electric Corp., 724 South Olive St., $85,797. Noted Aug. 21.

CONTRACTS AWARDED

Heating and Ventilating System—Medford, Mass.—City, heating and ventilating system in new high school, Auburn St., Ward 6, to P. A. Dolan, 237 Bway., South Boston, $43,296.

Heating and Ventilating—Johnstown, Pa.—See "Buildings—Commercial."

Storage Tanks—Rockford, Ill.—Smith Oil & Refining Co. will install two 50,000 gal., and ten 25,000 gal. fuel oil storage tanks, by day labor. Private plans.

Coal Bunkers, etc.—Delavan, Wis.—State Bd. of Control, Madison, coal bunkers, reinforcing, etc., at State School for Deaf, here, to J. P. Cullen & Son, 109 South Main St., Janesville.

Foundation — Milwaukee, Wis. — Concordia College, plain foundation for 1 story, 36 x 60 ft., brick and concrete power house, 31st and State Sts., to H. Danischefsky, 1484 Humboldt Ave.

Foundation — Plymouth, Wis.—Plymouth Refrigerating Co., E. Larson, pres., Sheboygan, plain foundation for 10 story, 56 x 60 ft., brick, tile and concrete, cold storage plant to Van Wagner Bros., Plymouth.

Heating System — Owatonna, Minn. — Utilities Comn., general contract underground steam heating system in business section ,to Carlson & Van Aukin, Sioux Falls, S. D., $42,900. Noted Aug. 28.

Retaining Wall, etc.— St. Louis, Mo.—Bd. Pub. Serv., 208 City hall, concrete retaining wall and boat landings Grand Basin, Forest Park, to Lay Bros. Constr. Co., 2024 Alice Ave., $25,815. Engrs. est. $30,000. Noted Sept. 25.

Golf Links, etc. — Aptos, Calif. — See "Buildings—Commercial."

Ornamental Lighting System—Los Angeles, Calif.—For 59 ornamental lights, conduits, etc., on Broad Ave., to Fritz Ziebarth, 302 East Anaheim St., Long Beach, $26,761.

Car Barn Addition — San Francisco, Calif.—Bd. Pub. Wks., 2 story, rein.-con. addition to car barn, 17th St., to Vuckicevich & Bagge, 815 Brayant St., $134,400. Noted Sept. 11.

Material and Equipment

PROPOSED WORK

Street Grader—Cudahy, Calif.—Takes bids in spring for street grader. C. Wolbert, city clk.

Crane — Los Angeles, Calif. — Bd. Pub. Wks. plans to purchase one 5 ton electric traveling crane for garbage loading station.

Cement — San Francisco, Calif. — L. S. Leavy, city purch. agt., plans to purchase approximately 15 carloads of Portland cement.

Pumps and Equipment, etc.—Acton, Ont.—City Council plans auxiliary pump (gasoline driven), extending mains. $25,000. James, Proctor & Redfern, 17 Toronto St., Toronto, engrs.

BIDS DESIRED

Paving Blocks—New York, N. Y.—Oct. 17, by J. Miller, pres. Manhattan Boro., Municipal Bldg., 20,000 granite paving blocks.

Fuel Oil—New Orleans, La.—Oct. 16, by Bd. Port Comrs., New Court House Bldg., 90,000 bbl. fuel oil. J. H. Walsh, genl. engr.

Tractor—Medalia, Minn.—Oct. 29, by H. L. Driggers, city clk., one 12 x 20 ft. tractor (old tractor to be taken in as part payment).

Stone Derrick—St. Louis, Mo.—Westlake Constr. Co., c/o Federal Reserve Bank, Bway. and Locust Sts., taking bids large stone derrick.

Engine Hitch Grader—Beaumont, Tex.—Jefferson Co., J. C. Darden, co. aud., taking bids one 10 in. blade engine-hitch grader. A. C. Love, co. engr.

Tractor, etc.—Clarksville, Tex.—Oct. 24, by W. McMaster, aud., Red River Co., one 10 ton crawler type tractor and 10 or 12 ft. road grader.

Pump—Toronto, Ont.—Nov. 11, by W. W. Hiltz, mayor, City Hall, one 10 million 3 stage imperial gal. steam turbine driven centrifugal pump. R. C. Harris, City Hall, city engr.

Garage Equipment—Leamington, Ont.—Wigle Motor Sales Co. taking bids complete equipment for garage and auto repair plant, recently destroyed by fire.

BIDS RECEIVED

Asphaltic Joint Filler, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 500 tons asphaltic joint filler, from Standard Oil Co. of New York, 26 Bway., $9,375; 200,000 wood paving blocks, from Amer. Creosoting Co., 17 Battery Pl., $8,592.

Rip Rap, etc.—New York, N. Y.—J. B. Bowe, comr. Purchase, Municipal Bldg., furnishing rip rap to Dept. Plant & Structures, from W. J. Welsh, $4,800 railroad frogs, switches, etc., from Lorraine Steel Co., 71 Bway., $2,948. Noted Sept. 25.

CONTRACTS AWARDED

Asphaltic Cement—New York, N. Y.—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., 300 tons asphaltic cement to Warner-Quinlan Co., 79 Wall St., $5,676; 1,000 cu.yd. macadam stone, to New Haven Trap Rock Co., 69 Church St., New Haven, Conn., $7,425; 1,000 cu.yd. asphaltic sand to Z. Mahoney, 557 46th St., Brooklyn, $1,300; motor gasoline to Bang Service Sta., $0.1351 per gal. Noted Oct. 2.

Reinforcing — Minneapolis, Minn. — To T. F. McCormick, 710 Pioneer Bldg., St. Paul, 280 tons reinforcing for bridge over Mississippi River, at Mendota, $13,823, option to buy about 1,200 tons additional, $72,272. Noted Oct. 2.

Guardrail—South Dakota—State Highway Comn., Pierre, to Stevens Bros., St. Paul, Minn., 3,552 ft. timber guardrail in Project 141, Hughes Co. $1,421. 1,232 ft. in Project 146AB, Corson Co. $542, 3,092 ft., in Project 95A, Faulk Co. $1,229, 1,632 ft., in Project 95B, Faulk Co. $653; to L. P. Nelson, Philip, 7,648 ft. in Project 162A, Haakon Co. $2,677, 3,068 ft. in Project 162B, Haakon Co. $1,074; to J. Kukuk, Brookings, 2,120 ft. in Project 164, Brookings Co. $827. Noted Sept. 18.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Oct. 22.

Road Work

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Township Committee at the Library Bldg., Freehold, N. J., for the improvement of Elton-Adelphia Road in the Township of Freehold, in the County Monmouth, with a Gravel surface upon a Slag foundation, estimated amount of Gravel surface pavement required is 2,367 Cu.Yds., of Slag foundation 2,668 Cu. Yds., and opened and read in public at Library Building, on Oct. 22nd, at 2 o'clock p.m., Standard Time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by George K. Allen, Jr., 60 Broad St., Red Bank, N. J., Monmouth County, Engineer, and approved by the State Highway Commission, have been filed in the office of the said engineer at 60 Broad St., Red Bank, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to Roscoe C. Clayton, Chairman Township Committee, Freehold, N. J., R. D. 4, and must be accompanied by a Surety Company's Certificate and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of The Township Committee, Sept. 17, 1924.

GEORGE W. CONOVER,
Clerk.

Bids: Oct. 30.

Street Pavement and Storm Sewers

Mobile, Ala.

Sealed proposals will be received by the Board of Commissioners of the City of Mobile, Alabama, for Street pavement and Storm Sewers as follows: Bids will be received until noon, Thursday, October 30th, 1924.

One course concrete paving, 19,924 Sq.yds.
Concrete Curbing, 10,224 Lin.ft.
Asphaltic Concrete paving, 3,700 Sq.yds.
Concrete Curbing, 2,600 Lin.ft.
Sheet Asphalt or Warrenite Bitulithic Paving, 8,000 Sq.yds.
Concrete Curbing, 4,800 Lin.ft.

STORM SEWERS

6 in.	pipe	810 ft.
10 in.	"	1,438 ft.
12 in.	"	4,502 ft.
15 in.	"	2,586 ft.
18 in.	"	865 ft.
20 in.	"	50 ft.
24 in.	"	350 ft.
Manholes		32
Inlets		99
Special Basins		25

The right is reserved to reject any or all bids. Plans and specifications can be seen in the office of the City Engineer.

GEO. E. CRAWFORD,
Commissioner of Sts.
WRIGHT SMITH,
City Engineer.

OFFICIAL PROPOSALS

Bids: Oct. 21.

Miami River Bridge

AT NORTHWEST FIFTH STREET

Miami, Florida.

Sealed proposals, to be filed with the City Manager, will be received by the City of Miami, Florida, up to nine o'clock a.m., Tuesday, October 21st, 1924, at the regular meeting of the Commission, for the construction of a bridge over the Miami River at Northwest Fifth Street. The bridge consists of a double leaf bascule of 78 feet clear span and a steel beam approach span 40 feet clear, together with two bascule piers and approach retaining walls. A 48-foot roadway and two 6-foot walks are provided.

Approximate structural metal and machinery 305 tons; concrete 2,770 cubic yards; reinforcing steel 30 tons.

The work will be let to one Contractor on a unit price contract. With each bid there shall be a certified check, or bidder's bond, for not less than 5 per cent of the gross bid, made payable to the City of Miami, to be forfeited as liquidated damages by any bidder who is awarded the contract, who fails to promptly execute the contract and bond. Checks of unsuccessful bidders will be returned upon execution of contract, or sooner, upon action of the Commission of the City of Miami. The contract will be awarded to the lowest responsible bidder, but the City Manager shall have the power to reject all bids and advertise again.

Plans and specifications may be examined in the office of Ernest Cotton, Director of Public Service and Welfare, Miami, Florida, and in the offices of Harrington, Howard and Ash, Consulting Engineers, Kansas City, Missouri, and New York City. Copies may be secured from the Consulting Engineers by depositing $25.00. Such copies shall be returned and a refund of $15.00 made.

F. H. WHARTON,
City Manager.

Bids: Oct. 20.

Road Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of Route No. 4, Section No. 25A, Morgan Grade Crossing Elimination, in the County of Middlesex. Estimated 2,259 cu.yds. of Earth Excavation 75,000 cu.yds. Borrow; 4,273 sq.yds. Reinforced Concrete Pavement; 3,308 sq.yds. Gravel Surface.

Bids will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, October 20th, 1924, at twelve o'clock (12.00 Noon), Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed addressed envelopes bearing the name and address of the bidder and name and number of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

BIDS: Oct. 15.

Sewers

Grand Rapids, Mich.

Sealed proposals will be received at the office of the Director of Public Service, in the City Hall, Grand Rapids, Michigan, up to 2 o'clock p.m., Central Standard Time, of Wednesday, the 15th day of October, 1924, for the construction of the Carlton-Lake Drive Project—CONTRACT F-3 consisting principally of the following items:

350 feet of 18-inch sewer, 6'-8' deep—open cut.

1950 feet of 24-inch sewer, 8'-19' deep—open cut.

2100 feet of 30-inch sewer, 8'-15' deep—open cut.

1500 feet of 36-inch sewer, 8'-24' deep—open cut or tunnel.

Acceptable construction materials for open cut construction will be vitrified clay pipe, reinforced or plain concrete cast in place, pre-cast plain or reinforced concrete pipes, vitrified clay or concrete (cup-type) segmental block.

For the construction of the portion in tunnel: plain concrete, brick, vitrified clay or concrete (cup-type) segmental block.

Payment will be made out of the proceeds of a general city bond issue, funds therefor being now on hand and appropriated for this purpose.

The required date of completion is December 1, 1925.

Copies of the Plans and Specifications according to which the work is to be done are on file in the office of the Sanitary Engineer, City Hall, and can be obtained for bidding purposes by making a deposit of ten dollars, which will be refunded upon the return of the Plans and Specifications on or before October 25, 1924.

A certified check in the sum of Three Thousand Dollars ($3,000.00) will be required with each proposal.

The right is reserved by the City to accept any proposal to reject any or all proposals, and to waive defects in proposals.

FRED H. LOOKE,
City Manager.